

ATSC

Disclosure Statement and Licensing Declaration

This declaration does not represent an implied license grant

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Washington, DC 20006
202-872-9160-Office
202-872-9161 - Fax

Discloser:

Name of
Participant

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Identification of ATSC Specification Document relevant to the Disclosure Statement:

Number

A/322, A/330, A/331, A/341, A/342

- ATSC Finalized Standard : Physical Layer Protocol
(A/322), Link-Layer Protocol (A/330), Video (A/341),
Audio (A/342)

Title

- ATSC Proposed Standard : Signaling, Delivery,
Synchronization, and Error Protection (A/331)

Licensing Declaration

If the Discloser is the holder of a patent and/or pending patent application that is the subject of an Essential Claim, /e.e., the use of which it believes would be required to implement the identified ATSC Specification Document, the Discloser hereby declares, in accordance with the Statement on ATSC Patent Policy (see ATSC website), that (check one box only).

a. The Discloser agrees to make a license to the Essential Claim available without compensation upon request to all applicants for the purpose of implementing the Specification Document, which license may be conditioned upon license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.

Mark here if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.

b. The Discloser agrees to make a license to the Essential Claim available upon request under reasonable and nondiscriminatory terms and conditions to all applicants for the purpose of implementing the Specification Document, which conditions may include license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.

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c. The Discloser will not make a license to the Essential Claim under reasonable and nondiscriminatory terms and conditions to applicants for the purpose of implementing the Specification Document.

Without Compensation: The phrase "without compensation" does not mean that the Discloser is waiving all of its rights with respect to each patent or patent application that is the subject matter of the Essential Claim. Rather, "without compensation" refers to the issue of monetary compensation; i.e.t that the Discloser will not seek any monetary compensation as part of the licensing arrangement (whether such compensation is called a royalty, a one-time licensing fee, etc.). However, while the Discloser in this situation is committing to not charging any monetary amount, the Discloser is still entitled to require that the implementer of the ATSC Specification Document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, reciprocity, warranties, etc.

Reciprocity: As used herein, the word "reciprocity" means that the Discloser shall only be required to license any prospective licensee under the stated terms (without compensation or under reasonable and nondiscriminatory terms and conditions) if such prospective licensee will commit to license its patent(s) or patent application(s) forming the subject matter of an Essential Claim under similar (without compensation or under reasonable and nondiscriminatory) terms and conditions.

Disclosure of Patents

In accordance with Sections 3 and 4 of the ATSC Patent Policy, please identify each patent or patent application forming the subject matter of any Potential Claim of which any Representative of the Discloser who is active in an ATSC technology group or specialist group has actual personal knowledge. The Discloser, in good faith, believes that the Potential Claim may be relevant to the implementation of the Specification Document identified by this Disclosure Statement.

No.	Patent/Application No.	Country	Patent/ Application Holder	Status [granted/pending]
1	11809862.3	EP	Samsung Electronics Co., LTD.	Pending
2	US9060185	US	Samsung Electronics Co., LTD.	Granted
3	US9628534	US	Samsung Electronics Co., LTD.	Granted
4	US15/409062	US	Samsung Electronics Co., LTD.	Pending
5	P20110036914	KR	Samsung Electronics Co., LTD.	Pending
6	P20130043577	KR	Samsung Electronics Co., LTD.	Pending
7	US9147291	US	Samsung Electronics Co., LTD.	Granted
8	13779094.5	EP	Samsung Electronics Co., LTD.	Pending
9	P20130043521	KR	Samsung Electronics Co., LTD.	Pending
10	US13/866451	US	Samsung Electronics Co., LTD.	Pending
11	P20120074676	KR	Samsung Electronics Co., LTD.	Pending
12	P20120100522	KR	Samsung Electronics Co., LTD.	Pending
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19	2015-552589	JP	Samsung Electronics Co., LTD.	Pending
20	MX/a/2015/008738	MX	Samsung Electronics Co., LTD.	Pending
21	2015134191	RU	Samsung Electronics Co., LTD.	Pending
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25	2015-510186	JP	Samsung Electronics Co., LTD.	Pending
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27	US9699188	US	Samsung Electronics Co., LTD.	Granted

28	201480031901.5	CN	Samsung Electronics Co., LTD.	Pending
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42	2016115536	RU	Samsung Electronics Co., LTD.	Pending
43	US9720745	US	Samsung Electronics Co., LTD.	Granted
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94	2017-519435	JP	Samsung Electronics Co., LTD.	Pending
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100	US15/323612	US	Samsung Electronics Co., LTD.	Pending
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102	US8638818	US	Samsung Electronics Co., LTD.	Granted
103	KR2011/002836	WO	Samsung Electronics Co., LTD.	Pending
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111	P20110005625	KR	Samsung Electronics Co., LTD.	Pending
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290	2015-510181	JP	Samsung Electronics Co., LTD.	Pending
291	13784446	EP	Samsung Electronics Co., LTD.	Pending

292	201380022904.8	CN	Samsung Electronics Co., LTD.	Pending
293	5898380	JP	Samsung Electronics Co., LTD.	Granted
294	P1484843	KR	Samsung Electronics Co., LTD.	Granted
295	PCT/KR2014/003470	WO	Samsung Electronics Co., LTD.	Pending
296	US14/257249	US	Samsung Electronics Co., LTD.	Pending
297	2015149465	RU	Samsung Electronics Co., LTD.	Pending
298	MX/a/2015/014695	MX	Samsung Electronics Co., LTD.	Pending
299	2016-041616	JP	Samsung Electronics Co., LTD.	Pending
300	10445/DELNP/2015	IN	Samsung Electronics Co., LTD.	Pending
301	14785165.3	EP	Samsung Electronics Co., LTD.	Pending
302	201480022346.X	CN	Samsung Electronics Co., LTD.	Pending
303	2,909,906	CA	Samsung Electronics Co., LTD.	Pending
304	PCT/KR2013/006389	WO	Samsung Electronics Co., LTD.	Pending
305	US13/944265	US	Samsung Electronics Co., LTD.	Pending
306	P20120077856	KR	Samsung Electronics Co., LTD.	Pending
307	2015-523008	JP	Samsung Electronics Co., LTD.	Pending
308	823/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
309	13819236.4	EP	Samsung Electronics Co., LTD.	Pending
310	201380038076.7	CN	Samsung Electronics Co., LTD.	Pending
311	PCT/KR2014/006549	WO	Samsung Electronics Co., LTD.	Pending
312	US14/906183	US	Samsung Electronics Co., LTD.	Pending
313	PI2016700168	MY	Samsung Electronics Co., LTD.	Pending
314	MX/a/2016/000718	MX	Samsung Electronics Co., LTD.	Pending
315	P20130084877	KR	Samsung Electronics Co., LTD.	Pending
316	2016-527939	JP	Samsung Electronics Co., LTD.	Pending
317	201627004231	IN	Samsung Electronics Co., LTD.	Pending
318	P-00201601064	ID	Samsung Electronics Co., LTD.	Pending
319	14826773.5	EP	Samsung Electronics Co., LTD.	Pending
320	201480040849.X	CN	Samsung Electronics Co., LTD.	Pending
321	1120160009134	BR	Samsung Electronics Co., LTD.	Pending
322	2014290953	AU	Samsung Electronics Co., LTD.	Pending
323	PCT/KR2015/000358	WO	Samsung Electronics Co., LTD.	Pending
324	US15/111322	US	Samsung Electronics Co., LTD.	Pending

325	P20167022057	KR	Samsung Electronics Co., LTD.	Pending
326	P20140004256	KR	Samsung Electronics Co., LTD.	Pending
327	201617026673	IN	Samsung Electronics Co., LTD.	Pending
328	PCT/KR2013/009049	WO	Samsung Electronics Co., LTD.	Pending
329	US14/049022	US	Samsung Electronics Co., LTD.	Pending
330	2015117519	RU	Samsung Electronics Co., LTD.	Pending
331	MX/a/2015/004596	MX	Samsung Electronics Co., LTD.	Pending
332	P20157012135	KR	Samsung Electronics Co., LTD.	Pending
333	2015-536713	JP	Samsung Electronics Co., LTD.	Pending
334	1159/KOLNP/2015	IN	Samsung Electronics Co., LTD.	Pending
335	13845741.1	EP	Samsung Electronics Co., LTD.	Pending
336	201380053098.0	CN	Samsung Electronics Co., LTD.	Pending
337	2,887,997	CA	Samsung Electronics Co., LTD.	Pending
338	2013330649	AU	Samsung Electronics Co., LTD.	Pending
339	P1484903	KR	Samsung Electronics Co., LTD.	Granted
340	PCT/KR2013/010932	WO	Samsung Electronics Co., LTD.	Pending
341	US14/091243	US	Samsung Electronics Co., LTD.	Pending
342	2015125573	RU	Samsung Electronics Co., LTD.	Pending
343	MX/a/2015/006835	MX	Samsung Electronics Co., LTD.	Pending
344	2016-110819	JP	Samsung Electronics Co., LTD.	Pending
345	2015-523032	JP	Samsung Electronics Co., LTD.	Pending
346	4995/DELNP/2015	IN	Samsung Electronics Co., LTD.	Pending
347	13858997.3	EP	Samsung Electronics Co., LTD.	Pending
348	201380062645.1	CN	Samsung Electronics Co., LTD.	Pending
349	2,893,122	CA	Samsung Electronics Co., LTD.	Pending
350	2013352767	AU	Samsung Electronics Co., LTD.	Pending
351	5883199	JP	Samsung Electronics Co., LTD.	Granted
352	P1530825	KR	Samsung Electronics Co., LTD.	Granted
353	PCT/KR2014/006829	WO	Samsung Electronics Co., LTD.	Pending
354	1-2016-00670	VN	Samsung Electronics Co., LTD.	Pending
355	US14/178212	US	Samsung Electronics Co., LTD.	Pending
356	PI2016700246	MY	Samsung Electronics Co., LTD.	Pending
357	MX/a/2016/001137	MX	Samsung Electronics Co., LTD.	Pending

358	P20150000130	KR	Samsung Electronics Co., LTD.	Pending
359	2016-020212	JP	Samsung Electronics Co., LTD.	Pending
360	201627004307	IN	Samsung Electronics Co., LTD.	Pending
361	P-00201601111	ID	Samsung Electronics Co., LTD.	Pending
362	14828733.7	EP	Samsung Electronics Co., LTD.	Pending
363	201480042072.0	CN	Samsung Electronics Co., LTD.	Pending
364	1120160016610	BR	Samsung Electronics Co., LTD.	Pending
365	2014293819	AU	Samsung Electronics Co., LTD.	Pending
366	PCT/KR2015/006601	WO	Samsung Electronics Co., LTD.	Pending
367	P20150091586	KR	Samsung Electronics Co., LTD.	Pending
368	PCT/KR2015/003680	WO	Samsung Electronics Co., LTD.	Pending
369	PCT/KR2015/003130	WO	Samsung Electronics Co., LTD.	Pending
370	PCT/KR2015/002895	WO	Samsung Electronics Co., LTD.	Pending
371	PCT/KR2015/002894	WO	Samsung Electronics Co., LTD.	Pending
372	PCT/KR2015/002891	WO	Samsung Electronics Co., LTD.	Pending
373	PCT/KR2015/000303	WO	Samsung Electronics Co., LTD.	Pending
374	1-2016-02881	VN	Samsung Electronics Co., LTD.	Pending
375	US15/110861	US	Samsung Electronics Co., LTD.	Pending
376	P20140003619	KR	Samsung Electronics Co., LTD.	Pending
377	201627025473	IN	Samsung Electronics Co., LTD.	Pending
378	15734960.6	EP	Samsung Electronics Co., LTD.	Pending
379	BR1120160160088	BR	Samsung Electronics Co., LTD.	Pending
380	PCT/KR2014/010134	WO	Samsung Electronics Co., LTD.	Pending
381	1-2016-01418	VN	Samsung Electronics Co., LTD.	Pending
382	US15/029143	US	Samsung Electronics Co., LTD.	Pending
383	MX/a/2016/004750	MX	Samsung Electronics Co., LTD.	Pending
384	P20130128038	KR	Samsung Electronics Co., LTD.	Pending
385	2016-523302	JP	Samsung Electronics Co., LTD.	Pending
386	201627011756	IN	Samsung Electronics Co., LTD.	Pending
387	14855641.8	EP	Samsung Electronics Co., LTD.	Pending
388	201480058551.1	CN	Samsung Electronics Co., LTD.	Pending
389	PCT/KR2014/002643	WO	Samsung Electronics Co., LTD.	Pending
390	1-2015-04048	VN	Samsung Electronics Co., LTD.	Pending

391	US14/781235	US	Samsung Electronics Co., LTD.	Pending
392	1501005954	TH	Samsung Electronics Co., LTD.	Pending
393	11201507726X	SG	Samsung Electronics Co., LTD.	Pending
394	2015146225	RU	Samsung Electronics Co., LTD.	Pending
395	PI2015703394	MY	Samsung Electronics Co., LTD.	Pending
396	MX/a/2015/013783	MX	Samsung Electronics Co., LTD.	Pending
397	P20157022453	KR	Samsung Electronics Co., LTD.	Pending
398	2015-562940	JP	Samsung Electronics Co., LTD.	Pending
399	2842/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
400	P-00201506926	ID	Samsung Electronics Co., LTD.	Pending
401	14773799.3	EP	Samsung Electronics Co., LTD.	Pending
402	201480019359.1	CN	Samsung Electronics Co., LTD.	Pending
403	2908037	CA	Samsung Electronics Co., LTD.	Pending
404	1120150246923	BR	Samsung Electronics Co., LTD.	Pending
405	2014244722	AU	Samsung Electronics Co., LTD.	Pending
406	PCT/KR2013/011182	WO	Samsung Electronics Co., LTD.	Pending
407	1-2015-02444	VN	Samsung Electronics Co., LTD.	Pending
408	US14/649824	US	Samsung Electronics Co., LTD.	Pending
409	1501003095	TH	Samsung Electronics Co., LTD.	Pending
410	11201504368V	SG	Samsung Electronics Co., LTD.	Pending
411	2015126777	RU	Samsung Electronics Co., LTD.	Pending
412	PI2015701775	MY	Samsung Electronics Co., LTD.	Pending
413	MX/a/2015/007100	MX	Samsung Electronics Co., LTD.	Pending
414	P20157018083	KR	Samsung Electronics Co., LTD.	Pending
415	2015-546386	JP	Samsung Electronics Co., LTD.	Pending
416	1771/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
417	P-00201504108	ID	Samsung Electronics Co., LTD.	Pending
418	13861015.9	EP	Samsung Electronics Co., LTD.	Pending
419	201380072141.8	CN	Samsung Electronics Co., LTD.	Pending
420	2893729	CA	Samsung Electronics Co., LTD.	Pending
421	BR1120150131549	BR	Samsung Electronics Co., LTD.	Pending
422	2013355504	AU	Samsung Electronics Co., LTD.	Pending
423	PCT/KR2013/000047	WO	Samsung Electronics Co., LTD.	Pending

424	US14/324740	US	Samsung Electronics Co., LTD.	Pending
425	P20130001218	KR	Samsung Electronics Co., LTD.	Pending
426	13733650.9	EP	Samsung Electronics Co., LTD.	Pending
427	KR2011/004937	WO	Samsung Electronics Co., LTD.	Pending
428	1-2013-00418	VN	Samsung Electronics Co., LTD.	Pending
429	US13/177903	US	Samsung Electronics Co., LTD.	Pending
430	1301000042	TH	Samsung Electronics Co., LTD.	Pending
431	186868	SG	Samsung Electronics Co., LTD.	Granted
432	2015134326	RU	Samsung Electronics Co., LTD.	Pending
433	2564050	RU	Samsung Electronics Co., LTD.	Granted
434	PI2013000036	MY	Samsung Electronics Co., LTD.	Pending
435	313557	MX	Samsung Electronics Co., LTD.	Granted
436	P20100137232	KR	Samsung Electronics Co., LTD.	Pending
437	2016-047473	JP	Samsung Electronics Co., LTD.	Pending
438	2013-518274	JP	Samsung Electronics Co., LTD.	Pending
439	268/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
440	W-00201300527	ID	Samsung Electronics Co., LTD.	Pending
441	11803793.6	EP	Samsung Electronics Co., LTD.	Pending
442	201510818493.4	CN	Samsung Electronics Co., LTD.	Pending
443	201180042811.2	CN	Samsung Electronics Co., LTD.	Pending
444	2804346	CA	Samsung Electronics Co., LTD.	Pending
445	BR112013000328-6	BR	Samsung Electronics Co., LTD.	Pending
446	2015207829	AU	Samsung Electronics Co., LTD.	Pending
447	2011274709	AU	Samsung Electronics Co., LTD.	Pending
448	PCT/KR2015/011799	WO	Samsung Electronics Co., LTD.	Pending
449	US14/932320	US	Samsung Electronics Co., LTD.	Pending
450	P20150154332	KR	Samsung Electronics Co., LTD.	Pending
451	PCT/KR2016/006144	WO	Samsung Electronics Co., LTD.	Pending
452	US15/177481	US	Samsung Electronics Co., LTD.	Pending
453	P20160016444	KR	Samsung Electronics Co., LTD.	Pending
454	PCT/KR2016/006143	WO	Samsung Electronics Co., LTD.	Pending
455	US15/177522	US	Samsung Electronics Co., LTD.	Pending
456	P20160016379	KR	Samsung Electronics Co., LTD.	Pending

457	PCT/KR2016/006142	WO	Samsung Electronics Co., LTD.	Pending
458	US15/177469	US	Samsung Electronics Co., LTD.	Pending
459	P20160016406	KR	Samsung Electronics Co., LTD.	Pending
460	PCT/KR2016/000137	WO	Samsung Electronics Co., LTD.	Pending
461	US14/989894	US	Samsung Electronics Co., LTD.	Pending
462	P20150177018	KR	Samsung Electronics Co., LTD.	Pending
463	PCT/KR2015/012131	WO	Samsung Electronics Co., LTD.	Pending
464	US14/938116	US	Samsung Electronics Co., LTD.	Pending
465	P20150158268	KR	Samsung Electronics Co., LTD.	Pending
466	PCT/KR2016/007138	WO	Samsung Electronics Co., LTD.	Pending
467	US15/200238	US	Samsung Electronics Co., LTD.	Pending
468	P20160014916	KR	Samsung Electronics Co., LTD.	Pending
469	PCT/KR2016/002092	WO	Samsung Electronics Co., LTD.	Pending
470	US15/058255	US	Samsung Electronics Co., LTD.	Pending
471	P20150137189	KR	Samsung Electronics Co., LTD.	Pending
472	PCT/KR2016/002090	WO	Samsung Electronics Co., LTD.	Pending
473	US15/058364	US	Samsung Electronics Co., LTD.	Pending
474	P20150137190	KR	Samsung Electronics Co., LTD.	Pending
475	PCT/KR2016/001506	WO	Samsung Electronics Co., LTD.	Pending
476	US15/044419	US	Samsung Electronics Co., LTD.	Pending
477	P20150137191	KR	Samsung Electronics Co., LTD.	Pending
478	PCT/KR2016/001820	WO	Samsung Electronics Co., LTD.	Pending
479	US15/099998	US	Samsung Electronics Co., LTD.	Pending
480	US15/052049	US	Samsung Electronics Co., LTD.	Pending
481	P20150137187	KR	Samsung Electronics Co., LTD.	Pending
482	US14/716427	US	Samsung Electronics Co., LTD.	Pending
483	US14/716023	US	Samsung Electronics Co., LTD.	Pending
484	US14/716283	US	Samsung Electronics Co., LTD.	Pending
485	US14/715747	US	Samsung Electronics Co., LTD.	Pending
486	US14/715892	US	Samsung Electronics Co., LTD.	Pending
487	US14/715873	US	Samsung Electronics Co., LTD.	Pending
488	US14/715817	US	Samsung Electronics Co., LTD.	Pending
489	US14/714565	US	Samsung Electronics Co., LTD.	Pending

490	US14/715845	US	Samsung Electronics Co., LTD.	Pending
491	US14/716271	US	Samsung Electronics Co., LTD.	Pending
492	US14/716093	US	Samsung Electronics Co., LTD.	Pending
493	US14/715908	US	Samsung Electronics Co., LTD.	Pending
494	US14/715795	US	Samsung Electronics Co., LTD.	Pending
495	US14/716340	US	Samsung Electronics Co., LTD.	Pending
496	US14/716222	US	Samsung Electronics Co., LTD.	Pending
497	US14/716013	US	Samsung Electronics Co., LTD.	Pending
498	US14/714530	US	Samsung Electronics Co., LTD.	Pending
499	US14/715780	US	Samsung Electronics Co., LTD.	Pending
500	US14/714624	US	Samsung Electronics Co., LTD.	Pending
501	US14/715674	US	Samsung Electronics Co., LTD.	Pending
502	US14/715861	US	Samsung Electronics Co., LTD.	Pending
503	US14/714508	US	Samsung Electronics Co., LTD.	Pending
504	US14/716324	US	Samsung Electronics Co., LTD.	Pending
505	US14/716053	US	Samsung Electronics Co., LTD.	Pending
506	US14/715941	US	Samsung Electronics Co., LTD.	Pending
507	US14/715764	US	Samsung Electronics Co., LTD.	Pending
508	US14/716287	US	Samsung Electronics Co., LTD.	Pending
509	US14/716156	US	Samsung Electronics Co., LTD.	Pending
510	US14/716365	US	Samsung Electronics Co., LTD.	Pending
511	US14/716172	US	Samsung Electronics Co., LTD.	Pending
512	PCT/KR2016/002088	WO	Samsung Electronics Co., LTD.	Pending
513	US15/130040	US	Samsung Electronics Co., LTD.	Pending
514	US15/058415	US	Samsung Electronics Co., LTD.	Pending
515	P20150137186	KR	Samsung Electronics Co., LTD.	Pending
516	PCT/KR2016/002086	WO	Samsung Electronics Co., LTD.	Pending
517	US15/058515	US	Samsung Electronics Co., LTD.	Pending
518	P20150137183	KR	Samsung Electronics Co., LTD.	Pending
519	PCT/KR2016/002093	WO	Samsung Electronics Co., LTD.	Pending
520	US15/130011	US	Samsung Electronics Co., LTD.	Pending
521	US15/058318	US	Samsung Electronics Co., LTD.	Pending
522	P20150137185	KR	Samsung Electronics Co., LTD.	Pending

523	P20150137185	KR	Samsung Electronics Co., LTD.	Pending
524	PCT/KR2016/002094	WO	Samsung Electronics Co., LTD.	Pending
525	US15/058242	US	Samsung Electronics Co., LTD.	Pending
526	PCT/KR2016/002091	WO	Samsung Electronics Co., LTD.	Pending
527	US15/058348	US	Samsung Electronics Co., LTD.	Pending
528	P20150137188	KR	Samsung Electronics Co., LTD.	Pending
529	PCT/KR2016/002087	WO	Samsung Electronics Co., LTD.	Pending
530	US15/058353	US	Samsung Electronics Co., LTD.	Pending
531	P20150137184	KR	Samsung Electronics Co., LTD.	Pending
532	PCT/KR2016/002074	WO	Samsung Electronics Co., LTD.	Pending
533	US15/130181	US	Samsung Electronics Co., LTD.	Pending
534	US15/058365	US	Samsung Electronics Co., LTD.	Pending
535	P20150137181	KR	Samsung Electronics Co., LTD.	Pending
536	PCT/KR2016/001885	WO	Samsung Electronics Co., LTD.	Pending
537	US15/053058	US	Samsung Electronics Co., LTD.	Pending
538	P20150137180	KR	Samsung Electronics Co., LTD.	Pending
539	PCT/KR2016/001883	WO	Samsung Electronics Co., LTD.	Pending
540	US15/053101	US	Samsung Electronics Co., LTD.	Pending
541	P20150137179	KR	Samsung Electronics Co., LTD.	Pending
542	PCT/KR2016/001880	WO	Samsung Electronics Co., LTD.	Pending
543	US15/099825	US	Samsung Electronics Co., LTD.	Pending
544	US15/053038	US	Samsung Electronics Co., LTD.	Pending
545	P20150137178	KR	Samsung Electronics Co., LTD.	Pending
546	PCT/KR2016/001500	WO	Samsung Electronics Co., LTD.	Pending
547	US15/044266	US	Samsung Electronics Co., LTD.	Pending
548	P20160014351	KR	Samsung Electronics Co., LTD.	Pending
549	PCT/KR2016/000252	WO	Samsung Electronics Co., LTD.	Pending
550	US14/992105	US	Samsung Electronics Co., LTD.	Pending
551	P20150162420	KR	Samsung Electronics Co., LTD.	Pending
552	PCT/KR2014/006024	WO	Samsung Electronics Co., LTD.	Pending
553	1-2016-00511	VN	Samsung Electronics Co., LTD.	Pending
554	US14/324436	US	Samsung Electronics Co., LTD.	Pending
555	MX/a/2016/000010	MX	Samsung Electronics Co., LTD.	Pending

556	P20140083647	KR	Samsung Electronics Co., LTD.	Pending
557	14819774.2	EP	Samsung Electronics Co., LTD.	Pending
558	201480038616.6	CN	Samsung Electronics Co., LTD.	Pending
559	2917422	CA	Samsung Electronics Co., LTD.	Pending
560	BR1120160001460	BR	Samsung Electronics Co., LTD.	Pending
561	PCT/KR2015/001694	WO	Samsung Electronics Co., LTD.	Pending
562	US15/130204	US	Samsung Electronics Co., LTD.	Pending
563	US14/625862	US	Samsung Electronics Co., LTD.	Pending
564	P20150000671	KR	Samsung Electronics Co., LTD.	Pending
565	PCT/KR2015/005101	WO	Samsung Electronics Co., LTD.	Pending
566	US15/130154	US	Samsung Electronics Co., LTD.	Pending
567	US14/716124	US	Samsung Electronics Co., LTD.	Pending
568	P20150000672	KR	Samsung Electronics Co., LTD.	Pending
569	PCT/KR2015/005099	WO	Samsung Electronics Co., LTD.	Pending
570	US15/130096	US	Samsung Electronics Co., LTD.	Pending
571	US14/716132	US	Samsung Electronics Co., LTD.	Pending
572	P20150000697	KR	Samsung Electronics Co., LTD.	Pending
573	PCT/KR2015/005097	WO	Samsung Electronics Co., LTD.	Pending
574	US14/716503	US	Samsung Electronics Co., LTD.	Pending
575	P20150069924	KR	Samsung Electronics Co., LTD.	Pending
576	PCT/KR2015/001191	WO	Samsung Electronics Co., LTD.	Pending
577	US14/615148	US	Samsung Electronics Co., LTD.	Pending
578	MX/a/2016/010164	MX	Samsung Electronics Co., LTD.	Pending
579	P20150017971	KR	Samsung Electronics Co., LTD.	Pending
580	15746125.2	EP	Samsung Electronics Co., LTD.	Pending
581	BR1120160179455	BR	Samsung Electronics Co., LTD.	Pending
582	PCT/KR2014/006125	WO	Samsung Electronics Co., LTD.	Pending
583	US14/910948	US	Samsung Electronics Co., LTD.	Pending
584	P20167003433	KR	Samsung Electronics Co., LTD.	Pending
585	201627004230	IN	Samsung Electronics Co., LTD.	Pending
586	GB1410222.2	GB	Samsung Electronics Co., LTD.	Pending
587	201480050068.9	CN	Samsung Electronics Co., LTD.	Pending
588	2919830	CA	Samsung Electronics Co., LTD.	Pending

589	PCT/KR2015/002677	WO	Samsung Electronics Co., LTD.	Pending
590	US15/130001	US	Samsung Electronics Co., LTD.	Pending
591	US14/662379	US	Samsung Electronics Co., LTD.	Pending
592	P20150000677	KR	Samsung Electronics Co., LTD.	Pending
593	PCT/KR2015/001695	WO	Samsung Electronics Co., LTD.	Pending
594	US15/099946	US	Samsung Electronics Co., LTD.	Pending
595	US14/625795	US	Samsung Electronics Co., LTD.	Pending
596	P20150024183	KR	Samsung Electronics Co., LTD.	Pending
597	15751726.9	EP	Samsung Electronics Co., LTD.	Pending
598	US14/527953	US	Samsung Electronics Co., LTD.	Pending
599	P20140149342	KR	Samsung Electronics Co., LTD.	Pending
600	PCT/KR2014/008223	WO	Samsung Electronics Co., LTD.	Pending
601	1-2016-00860	VN	Samsung Electronics Co., LTD.	Pending
602	US14/476872	US	Samsung Electronics Co., LTD.	Pending
603	MX/a/2016/002827	MX	Samsung Electronics Co., LTD.	Pending
604	P20140054756	KR	Samsung Electronics Co., LTD.	Pending
605	201627009967	IN	Samsung Electronics Co., LTD.	Pending
606	14842565.5	EP	Samsung Electronics Co., LTD.	Pending
607	201480060384.4	CN	Samsung Electronics Co., LTD.	Pending
608	2923467	CA	Samsung Electronics Co., LTD.	Pending
609	BR1120160049152	BR	Samsung Electronics Co., LTD.	Pending
610	PCT/KR2014/007226	WO	Samsung Electronics Co., LTD.	Pending
611	1-2016-00740	VN	Samsung Electronics Co., LTD.	Pending
612	US14/452133	US	Samsung Electronics Co., LTD.	Pending
613	MX/a/2016/001582	MX	Samsung Electronics Co., LTD.	Pending
614	P20140062575	KR	Samsung Electronics Co., LTD.	Pending
615	201617007012	IN	Samsung Electronics Co., LTD.	Pending
616	14834212.4	EP	Samsung Electronics Co., LTD.	Pending
617	201480044670.1	CN	Samsung Electronics Co., LTD.	Pending
618	2920150	CA	Samsung Electronics Co., LTD.	Pending
619	BR1120160025024	BR	Samsung Electronics Co., LTD.	Pending
620	US14/506771	US	Samsung Electronics Co., LTD.	Pending
621	P20140134505	KR	Samsung Electronics Co., LTD.	Pending

622	US14/506794	US	Samsung Electronics Co., LTD.	Pending
623	P20140134441	KR	Samsung Electronics Co., LTD.	Pending
624	PCT/KR2014/006646	WO	Samsung Electronics Co., LTD.	Pending
625	1-2016-00626	VN	Samsung Electronics Co., LTD.	Pending
626	US14/337435	US	Samsung Electronics Co., LTD.	Pending
627	MX/a/2016/000901	MX	Samsung Electronics Co., LTD.	Pending
628	P20140054762	KR	Samsung Electronics Co., LTD.	Pending
629	201627005705	IN	Samsung Electronics Co., LTD.	Pending
630	14828802	EP	Samsung Electronics Co., LTD.	Pending
631	201480041602.X	CN	Samsung Electronics Co., LTD.	Pending
632	2919139	CA	Samsung Electronics Co., LTD.	Pending
633	BR1120160015240	BR	Samsung Electronics Co., LTD.	Pending
634	US14/497635	US	Samsung Electronics Co., LTD.	Pending
635	P20140129604	KR	Samsung Electronics Co., LTD.	Pending
636	US14/497779	US	Samsung Electronics Co., LTD.	Pending
637	P20140129606	KR	Samsung Electronics Co., LTD.	Pending
638	US14/488549	US	Samsung Electronics Co., LTD.	Pending
639	P20140123657	KR	Samsung Electronics Co., LTD.	Pending
640	PCT/KR2014/005204	WO	Samsung Electronics Co., LTD.	Pending
641	1-2016-00152	VN	Samsung Electronics Co., LTD.	Pending
642	US14/303834	US	Samsung Electronics Co., LTD.	Pending
643	MX/a/2015/017052	MX	Samsung Electronics Co., LTD.	Pending
644	P20140058599	KR	Samsung Electronics Co., LTD.	Pending
645	201647001007	IN	Samsung Electronics Co., LTD.	Pending
646	14810282.5	EP	Samsung Electronics Co., LTD.	Pending
647	201480033816.2	CN	Samsung Electronics Co., LTD.	Pending
648	2915740	CA	Samsung Electronics Co., LTD.	Pending
649	BR1120150311130	BR	Samsung Electronics Co., LTD.	Pending
650	PCT/KR2014/005588	WO	Samsung Electronics Co., LTD.	Pending
651	1-2016-00351	VN	Samsung Electronics Co., LTD.	Pending
652	US14/243103	US	Samsung Electronics Co., LTD.	Pending
653	MX/a/2015/017492	MX	Samsung Electronics Co., LTD.	Pending
654	P20130096128	KR	Samsung Electronics Co., LTD.	Pending

655	GB1311443.4	GB	Samsung Electronics Co., LTD.	Pending
656	14818032.6	EP	Samsung Electronics Co., LTD.	Pending
657	201480037117.5	CN	Samsung Electronics Co., LTD.	Pending
658	2916943	CA	Samsung Electronics Co., LTD.	Pending
659	BR1120150320678	BR	Samsung Electronics Co., LTD.	Pending
660	PCT/KR2014/005592	WO	Samsung Electronics Co., LTD.	Pending
661	1-2016-00370	VN	Samsung Electronics Co., LTD.	Pending
662	US14/305028	US	Samsung Electronics Co., LTD.	Pending
663	MX/a/2015/017350	MX	Samsung Electronics Co., LTD.	Pending
664	P20130075725	KR	Samsung Electronics Co., LTD.	Pending
665	3679/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
666	14818369.2	EP	Samsung Electronics Co., LTD.	Pending
667	201480037109.0	CN	Samsung Electronics Co., LTD.	Pending
668	2916946	CA	Samsung Electronics Co., LTD.	Pending
669	BR1120150320694	BR	Samsung Electronics Co., LTD.	Pending
670	KR2011/006462	WO	Samsung Electronics Co., LTD.	Pending
671	US9386562	US	Samsung Electronics Co., LTD.	Granted
672	US9179440	US	Samsung Electronics Co., LTD.	Granted
673	US8804675	US	Samsung Electronics Co., LTD.	Granted
674	311262	MX	Samsung Electronics Co., LTD.	Granted
675	P20110088158	KR	Samsung Electronics Co., LTD.	Pending
676	GB1014432.7	GB	Samsung Electronics Co., LTD.	Pending
677	2809953	CA	Samsung Electronics Co., LTD.	Pending
678	KR2010/008704	WO	Samsung Electronics Co., LTD.	Pending
679	US14/842210	US	Samsung Electronics Co., LTD.	Pending
680	US14/164870	US	Samsung Electronics Co., LTD.	Pending
681	US8689093	US	Samsung Electronics Co., LTD.	Granted
682	P20090120572	KR	Samsung Electronics Co., LTD.	Pending
683	10836189	EP	Samsung Electronics Co., LTD.	Pending
684	KR2010/008155	WO	Samsung Electronics Co., LTD.	Pending
685	US14/873877	US	Samsung Electronics Co., LTD.	Pending
686	US9154341	US	Samsung Electronics Co., LTD.	Granted
687	US8707125	US	Samsung Electronics Co., LTD.	Granted

688	P20127015593	KR	Samsung Electronics Co., LTD.	Pending
689	P20090111489	KR	Samsung Electronics Co., LTD.	Pending
690	5612699	JP	Samsung Electronics Co., LTD.	Granted
691	5116/CHENP/2012	IN	Samsung Electronics Co., LTD.	Pending
692	10191630.2	EP	Samsung Electronics Co., LTD.	Pending
693	ZL201080061781.5	CN	Samsung Electronics Co., LTD.	Granted
694	2010322598	AU	Samsung Electronics Co., LTD.	Granted
695	KR2009/001051	WO	Samsung Electronics Co., LTD.	Pending
696	13658	VN	Samsung Electronics Co., LTD.	Granted
697	US8352844	US	Samsung Electronics Co., LTD.	Granted
698	I376907	TW	Samsung Electronics Co., LTD.	Granted
699	2101431	TR	Samsung Electronics Co., LTD.	Granted
700	2101430	TR	Samsung Electronics Co., LTD.	Granted
701	2101431	SK	Samsung Electronics Co., LTD.	Granted
702	2101430	SK	Samsung Electronics Co., LTD.	Granted
703	2099150	SK	Samsung Electronics Co., LTD.	Granted
704	2101431	SI	Samsung Electronics Co., LTD.	Granted
705	2101430	SI	Samsung Electronics Co., LTD.	Granted
706	164162	SG	Samsung Electronics Co., LTD.	Granted
707	2101431	SE	Samsung Electronics Co., LTD.	Granted
708	2101430	SE	Samsung Electronics Co., LTD.	Granted
709	2099150	SE	Samsung Electronics Co., LTD.	Granted
710	2453992	RU	Samsung Electronics Co., LTD.	Granted
711	2101431	RO	Samsung Electronics Co., LTD.	Granted
712	2101430	RO	Samsung Electronics Co., LTD.	Granted
713	2101431	PT	Samsung Electronics Co., LTD.	Granted
714	2101430	PT	Samsung Electronics Co., LTD.	Granted
715	2101431	PL	Samsung Electronics Co., LTD.	Granted
716	2101430	PL	Samsung Electronics Co., LTD.	Granted
717	2099150	PL	Samsung Electronics Co., LTD.	Granted
718	2101431	NO	Samsung Electronics Co., LTD.	Granted
719	2101430	NO	Samsung Electronics Co., LTD.	Granted
720	2101431	NL	Samsung Electronics Co., LTD.	Granted

721	2099150	NL	Samsung Electronics Co., LTD.	Granted
722	2101430	NL	Samsung Electronics Co., LTD.	Granted
723	2099150	NL	Samsung Electronics Co., LTD.	Granted
724	PI 2010004146	MY	Samsung Electronics Co., LTD.	Pending
725	P20080019650	KR	Samsung Electronics Co., LTD.	Pending
726	5670537	JP	Samsung Electronics Co., LTD.	Granted
727	5441270	JP	Samsung Electronics Co., LTD.	Granted
728	2101431	IT	Samsung Electronics Co., LTD.	Granted
729	2101430	IT	Samsung Electronics Co., LTD.	Granted
730	2099150	IT	Samsung Electronics Co., LTD.	Granted
731	6970/DELNP/2010	IN	Samsung Electronics Co., LTD.	Pending
732	IDP0032958	ID	Samsung Electronics Co., LTD.	Granted
733	2101431	HU	Samsung Electronics Co., LTD.	Granted
734	2101430	HU	Samsung Electronics Co., LTD.	Granted
735	2099150	HU	Samsung Electronics Co., LTD.	Granted
736	2101431	GR	Samsung Electronics Co., LTD.	Granted
737	2101430	GR	Samsung Electronics Co., LTD.	Granted
738	2101431	GB	Samsung Electronics Co., LTD.	Granted
739	2101430	GB	Samsung Electronics Co., LTD.	Granted
740	2099150	GB	Samsung Electronics Co., LTD.	Granted
741	2101431	FR	Samsung Electronics Co., LTD.	Granted
742	2101430	FR	Samsung Electronics Co., LTD.	Granted
743	2099150	FR	Samsung Electronics Co., LTD.	Granted
744	2101431	FI	Samsung Electronics Co., LTD.	Granted
745	2101430	FI	Samsung Electronics Co., LTD.	Granted
746	2099150	FI	Samsung Electronics Co., LTD.	Granted
747	2101431	ES	Samsung Electronics Co., LTD.	Granted
748	2101430	ES	Samsung Electronics Co., LTD.	Granted
749	2099150	ES	Samsung Electronics Co., LTD.	Granted
750	12160589.3	EP	Samsung Electronics Co., LTD.	Pending
751	11177843.7	EP	Samsung Electronics Co., LTD.	Pending
752	2101431	EP	Samsung Electronics Co., LTD.	Granted
753	2101430	EP	Samsung Electronics Co., LTD.	Granted

754	2099150	EP	Samsung Electronics Co., LTD.	Granted
755	2101431	DK	Samsung Electronics Co., LTD.	Granted
756	2101430	DK	Samsung Electronics Co., LTD.	Granted
757	2101431	DE	Samsung Electronics Co., LTD.	Granted
758	2101430	DE	Samsung Electronics Co., LTD.	Granted
759	2099150	DE	Samsung Electronics Co., LTD.	Granted
760	2101431	CZ	Samsung Electronics Co., LTD.	Granted
761	2101430	CZ	Samsung Electronics Co., LTD.	Granted
762	2099150	CZ	Samsung Electronics Co., LTD.	Granted
763	201310227235.X	CN	Samsung Electronics Co., LTD.	Pending
764	201310227250.4	CN	Samsung Electronics Co., LTD.	Pending
765	ZL200980115022.X	CN	Samsung Electronics Co., LTD.	Granted
766	2101431	CH	Samsung Electronics Co., LTD.	Granted
767	2101430	CH	Samsung Electronics Co., LTD.	Granted
768	2101431	BG	Samsung Electronics Co., LTD.	Granted
769	2101430	BG	Samsung Electronics Co., LTD.	Granted
770	2101431	BE	Samsung Electronics Co., LTD.	Granted
771	2101430	BE	Samsung Electronics Co., LTD.	Granted
772	2009220323	AU	Samsung Electronics Co., LTD.	Granted
773	2101431	AT	Samsung Electronics Co., LTD.	Granted
774	2101430	AT	Samsung Electronics Co., LTD.	Granted
775	KR/2009/001027	WO	Samsung Electronics Co., LTD.	Pending
776	US8533556	US	Samsung Electronics Co., LTD.	Granted
777	US8321745	US	Samsung Electronics Co., LTD.	Granted
778	P20080019607	KR	Samsung Electronics Co., LTD.	Pending
779	5461728	JP	Samsung Electronics Co., LTD.	Granted
780	5301575	JP	Samsung Electronics Co., LTD.	Granted
781	6950/DELNP/2010	IN	Samsung Electronics Co., LTD.	Pending
782	9154123.5	EP	Samsung Electronics Co., LTD.	Pending
783	201310127349.7	CN	Samsung Electronics Co., LTD.	Pending
784	ZL200980107576.5	CN	Samsung Electronics Co., LTD.	Granted
785	2009220393	AU	Samsung Electronics Co., LTD.	Granted
786	KR2008/007249	WO	Samsung Electronics Co., LTD.	Pending

787	12905	VN	Samsung Electronics Co., LTD.	Granted
788	US8166367	US	Samsung Electronics Co., LTD.	Granted
789	2381583	SK	Samsung Electronics Co., LTD.	Granted
790	2381582	SK	Samsung Electronics Co., LTD.	Granted
791	2239854	SK	Samsung Electronics Co., LTD.	Granted
792	2068449	SK	Samsung Electronics Co., LTD.	Granted
793	201209001.5	SG	Samsung Electronics Co., LTD.	Granted
794	161004	SG	Samsung Electronics Co., LTD.	Granted
795	2381583	SE	Samsung Electronics Co., LTD.	Granted
796	2381582	SE	Samsung Electronics Co., LTD.	Granted
797	2239854	SE	Samsung Electronics Co., LTD.	Granted
798	2068449	SE	Samsung Electronics Co., LTD.	Granted
799	2491728	RU	Samsung Electronics Co., LTD.	Granted
800	2491727	RU	Samsung Electronics Co., LTD.	Granted
801	2446585	RU	Samsung Electronics Co., LTD.	Granted
802	2381583	PL	Samsung Electronics Co., LTD.	Granted
803	2381582	PL	Samsung Electronics Co., LTD.	Granted
804	2239854	PL	Samsung Electronics Co., LTD.	Granted
805	2068449	PL	Samsung Electronics Co., LTD.	Granted
806	2381583	NL	Samsung Electronics Co., LTD.	Granted
807	2381582	NL	Samsung Electronics Co., LTD.	Granted
808	2239854	NL	Samsung Electronics Co., LTD.	Granted
809	2068449	NL	Samsung Electronics Co., LTD.	Granted
810	PI 2010002022	MY	Samsung Electronics Co., LTD.	Pending
811	P20070126083	KR	Samsung Electronics Co., LTD.	Pending
812	5441282	JP	Samsung Electronics Co., LTD.	Granted
813	5302972	JP	Samsung Electronics Co., LTD.	Granted
814	2381583	IT	Samsung Electronics Co., LTD.	Granted
815	2381582	IT	Samsung Electronics Co., LTD.	Granted
816	2239854	IT	Samsung Electronics Co., LTD.	Granted
817	2068449	IT	Samsung Electronics Co., LTD.	Granted
818	2067/KOLNP/2010	IN	Samsung Electronics Co., LTD.	Pending
819	W00201302138	ID	Samsung Electronics Co., LTD.	Pending

820	IDP000035518	ID	Samsung Electronics Co., LTD.	Granted
821	2381583	HU	Samsung Electronics Co., LTD.	Granted
822	2381582	HU	Samsung Electronics Co., LTD.	Granted
823	2239854	HU	Samsung Electronics Co., LTD.	Granted
824	2068449	HU	Samsung Electronics Co., LTD.	Granted
825	2381583	GB	Samsung Electronics Co., LTD.	Granted
826	2381582	GB	Samsung Electronics Co., LTD.	Granted
827	2239854	GB	Samsung Electronics Co., LTD.	Granted
828	2068449	GB	Samsung Electronics Co., LTD.	Granted
829	2381583	FR	Samsung Electronics Co., LTD.	Granted
830	2381582	FR	Samsung Electronics Co., LTD.	Granted
831	2239854	FR	Samsung Electronics Co., LTD.	Granted
832	2068449	FR	Samsung Electronics Co., LTD.	Granted
833	2381583	FI	Samsung Electronics Co., LTD.	Granted
834	2381582	FI	Samsung Electronics Co., LTD.	Granted
835	2239854	FI	Samsung Electronics Co., LTD.	Granted
836	2068449	FI	Samsung Electronics Co., LTD.	Granted
837	2381583	ES	Samsung Electronics Co., LTD.	Granted
838	2381582	ES	Samsung Electronics Co., LTD.	Granted
839	2239854	ES	Samsung Electronics Co., LTD.	Granted
840	2068449	ES	Samsung Electronics Co., LTD.	Granted
841	2381583	EP	Samsung Electronics Co., LTD.	Granted
842	2381582	EP	Samsung Electronics Co., LTD.	Granted
843	2239854	EP	Samsung Electronics Co., LTD.	Granted
844	2068449	EP	Samsung Electronics Co., LTD.	Granted
845	2381583	DE	Samsung Electronics Co., LTD.	Granted
846	2381582	DE	Samsung Electronics Co., LTD.	Granted
847	2239854	DE	Samsung Electronics Co., LTD.	Granted
848	2068449	DE	Samsung Electronics Co., LTD.	Granted
849	2381583	CZ	Samsung Electronics Co., LTD.	Granted
850	2381582	CZ	Samsung Electronics Co., LTD.	Granted
851	2239854	CZ	Samsung Electronics Co., LTD.	Granted
852	2068449	CZ	Samsung Electronics Co., LTD.	Granted

853	ZL200880119339.6	CN	Samsung Electronics Co., LTD.	Granted
854	2012200530	AU	Samsung Electronics Co., LTD.	Granted
855	2008332040	AU	Samsung Electronics Co., LTD.	Granted
856	KR2008/002722	WO	Samsung Electronics Co., LTD.	Pending
857	12811	VN	Samsung Electronics Co., LTD.	Granted
858	1-2009-02511	VN	Samsung Electronics Co., LTD.	Pending
859	US8879651	US	Samsung Electronics Co., LTD.	Granted
860	US8238484	US	Samsung Electronics Co., LTD.	Granted
861	US8406324	US	Samsung Electronics Co., LTD.	Granted
862	320315	MX	Samsung Electronics Co., LTD.	Granted
863	314960	MX	Samsung Electronics Co., LTD.	Granted
864	P1498019	KR	Samsung Electronics Co., LTD.	Granted
865	10105781	HK	Samsung Electronics Co., LTD.	Pending
866	20096321	FI	Samsung Electronics Co., LTD.	Pending
867	20096316	FI	Samsung Electronics Co., LTD.	Pending
868	112008002042.6	DE	Samsung Electronics Co., LTD.	Pending
869	112008001013.7	DE	Samsung Electronics Co., LTD.	Pending
870	ZL200910224800.0	CN	Samsung Electronics Co., LTD.	Granted
871	ZL200880012202.0	CN	Samsung Electronics Co., LTD.	Granted
872	2684387	CA	Samsung Electronics Co., LTD.	Granted
873	2681860	CA	Samsung Electronics Co., LTD.	Granted
874	PI0823175-3	BR	Samsung Electronics Co., LTD.	Pending
875	PI0811077-8	BR	Samsung Electronics Co., LTD.	Pending
876	KR2008/000636	WO	Samsung Electronics Co., LTD.	Pending
877	US8737432	US	Samsung Electronics Co., LTD.	Granted
878	P20160077424	KR	Samsung Electronics Co., LTD.	Pending
879	P1633879	KR	Samsung Electronics Co., LTD.	Granted
880	US9106455	US	Samsung Electronics Co., LTD.	Granted
881	US12/254282	US	Samsung Electronics Co., LTD.	Pending
882	US9166826	US	Samsung Electronics Co., LTD.	Granted
883	US8385448	US	Samsung Electronics Co., LTD.	Granted
884	US8325830	US	Samsung Electronics Co., LTD.	Granted
885	US8385447	US	Samsung Electronics Co., LTD.	Granted

886	US8406347	US	Samsung Electronics Co., LTD.	Granted
887	US8385437	US	Samsung Electronics Co., LTD.	Granted
888	US8149932	US	Samsung Electronics Co., LTD.	Granted
889	P1369838	KR	Samsung Electronics Co., LTD.	Granted
890	2004/002296	WO	Samsung Electronics Co., LTD.	Pending
891	US7340006	US	Samsung Electronics Co., LTD.	Granted
892	1515504	SE	Samsung Electronics Co., LTD.	Granted
893	2313910	RU	Samsung Electronics Co., LTD.	Granted
894	P0933115	KR	Samsung Electronics Co., LTD.	Granted
895	4303288	JP	Samsung Electronics Co., LTD.	Granted
896	1515504	IT	Samsung Electronics Co., LTD.	Granted
897	242608	IN	Samsung Electronics Co., LTD.	Granted
898	1515504	GB	Samsung Electronics Co., LTD.	Granted
899	1515504	FR	Samsung Electronics Co., LTD.	Granted
900	1515504	EP	Samsung Electronics Co., LTD.	Granted
901	1515504	DE	Samsung Electronics Co., LTD.	Granted
902	ZL200480025726.5	CN	Samsung Electronics Co., LTD.	Granted
903	2536234	CA	Samsung Electronics Co., LTD.	Granted
904	2004303047	AU	Samsung Electronics Co., LTD.	Granted
905	CA 2440013	CA	Samsung Electronics Co., LTD.	Granted
906	CN ZL200410005357.5	CN	Samsung Electronics Co., LTD.	Granted
907	RU 2276472	RU	Samsung Electronics Co., LTD.	Granted
908	IN 268596	IN	Samsung Electronics Co., LTD.	Granted
909	US 8160138	US	Samsung Electronics Co., LTD.	Granted
910	CN 03801207.3	CN	Samsung Electronics Co., LTD.	Granted
911	IN 203511	IN	Samsung Electronics Co., LTD.	Granted
912	CN ZL201210210549.4	CN	Samsung Electronics Co., LTD.	Granted
913	CN ZL201310013117	CN	Samsung Electronics Co., LTD.	Granted
914	CN ZL201310013145	CN	Samsung Electronics Co., LTD.	Granted
915	CN ZL201310013187	CN	Samsung Electronics Co., LTD.	Granted
916	CN ZL201310013142.7	CN	Samsung Electronics Co., LTD.	Granted
917	CN 200880020191.0	CN	Samsung Electronics Co., LTD.	Granted
918	AL 2665267	AL	Samsung Electronics Co., LTD.	Granted

919	AL 2804383	AL	Samsung Electronics Co., LTD.	Granted
920	AT 2665267	AT	Samsung Electronics Co., LTD.	Granted
921	AT 2804383	AT	Samsung Electronics Co., LTD.	Granted
922	AU 2010283045	AU	Samsung Electronics Co., LTD.	Granted
923	AU 2013202016	AU	Samsung Electronics Co., LTD.	Granted
924	AU 2013202015	AU	Samsung Electronics Co., LTD.	Granted
925	BE 2665267	BE	Samsung Electronics Co., LTD.	Granted
926	BE 2804383	BE	Samsung Electronics Co., LTD.	Granted
927	BG 2665267	BG	Samsung Electronics Co., LTD.	Granted
928	BG 2804383	BG	Samsung Electronics Co., LTD.	Granted
929	BR1120120023896	BR	Samsung Electronics Co., LTD.	Pending
930	1220130190120	BR	Samsung Electronics Co., LTD.	Pending
931	1220130190155	BR	Samsung Electronics Co., LTD.	Pending
932	CA 2770991	CA	Samsung Electronics Co., LTD.	Granted
933	CA 2814715	CA	Samsung Electronics Co., LTD.	Granted
934	CA 2814270	CA	Samsung Electronics Co., LTD.	Granted
935	CA 2876420	CA	Samsung Electronics Co., LTD.	Granted
936	CH 2665267	CH	Samsung Electronics Co., LTD.	Granted
937	CH 2804383	CH	Samsung Electronics Co., LTD.	Granted
938	CN ZL201080036192.1	CN	Samsung Electronics Co., LTD.	Granted
939	CN ZL201310086149.1	CN	Samsung Electronics Co., LTD.	Granted
940	CN ZL201310091738.9	CN	Samsung Electronics Co., LTD.	Granted
941	CN ZL201510004944.0	CN	Samsung Electronics Co., LTD.	Granted
942	201510004895	CN	Samsung Electronics Co., LTD.	Pending
943	CN ZL201510004975.6	CN	Samsung Electronics Co., LTD.	Granted
944	201510004976	CN	Samsung Electronics Co., LTD.	Pending
945	201510002762.X	CN	Samsung Electronics Co., LTD.	Pending
946	CY 2665267	CY	Samsung Electronics Co., LTD.	Granted
947	CY 2804383	CY	Samsung Electronics Co., LTD.	Granted
948	CZ 2665267	CZ	Samsung Electronics Co., LTD.	Granted
949	CZ 2804383	CZ	Samsung Electronics Co., LTD.	Granted
950	DE 131806135	DE	Samsung Electronics Co., LTD.	Granted
951	DE 141786988	DE	Samsung Electronics Co., LTD.	Granted

952	DK 2665267	DK	Samsung Electronics Co., LTD.	Granted
953	DK 2804383	DK	Samsung Electronics Co., LTD.	Granted
954	EE 2665267	EE	Samsung Electronics Co., LTD.	Granted
955	EE 2804383	EE	Samsung Electronics Co., LTD.	Granted
956	10808400	EP	Samsung Electronics Co., LTD.	Pending
957	13180614	EP	Samsung Electronics Co., LTD.	Pending
958	15151648	EP	Samsung Electronics Co., LTD.	Pending
959	15153212	EP	Samsung Electronics Co., LTD.	Pending
960	16180870	EP	Samsung Electronics Co., LTD.	Pending
961	ES 2665267	ES	Samsung Electronics Co., LTD.	Granted
962	ES 2804383	ES	Samsung Electronics Co., LTD.	Granted
963	FI 2665267	FI	Samsung Electronics Co., LTD.	Granted
964	FI 2804383	FI	Samsung Electronics Co., LTD.	Granted
965	FR 2665267	FR	Samsung Electronics Co., LTD.	Granted
966	FR 2804383	FR	Samsung Electronics Co., LTD.	Granted
967	GB 2665267	GB	Samsung Electronics Co., LTD.	Granted
968	GB 2804383	GB	Samsung Electronics Co., LTD.	Granted
969	GR 2665267	GR	Samsung Electronics Co., LTD.	Granted
970	GR 2804383	GR	Samsung Electronics Co., LTD.	Granted
971	HR 2665267	HR	Samsung Electronics Co., LTD.	Granted
972	HR 2804383	HR	Samsung Electronics Co., LTD.	Granted
973	HU 2665267	HU	Samsung Electronics Co., LTD.	Granted
974	HU 2804383	HU	Samsung Electronics Co., LTD.	Granted
975	ID W-00201200971	ID	Samsung Electronics Co., LTD.	Granted
976	W-00201301922	ID	Samsung Electronics Co., LTD.	Pending
977	W-00201301925	ID	Samsung Electronics Co., LTD.	Pending
978	P-00201500479	ID	Samsung Electronics Co., LTD.	Pending
979	P-00201500480	ID	Samsung Electronics Co., LTD.	Pending
980	P-00201500474	ID	Samsung Electronics Co., LTD.	Pending
981	IE 2665267	IE	Samsung Electronics Co., LTD.	Granted
982	IE 2804383	IE	Samsung Electronics Co., LTD.	Granted
983	2235/CHENP/2012	IN	Samsung Electronics Co., LTD.	Pending
984	2468/CHENP/2013	IN	Samsung Electronics Co., LTD.	Pending

985	2447/CHENP/2013	IN	Samsung Electronics Co., LTD.	Pending
986	478/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
987	477/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
988	476/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
989	IS 2665267	IS	Samsung Electronics Co., LTD.	Granted
990	IS 2804383	IS	Samsung Electronics Co., LTD.	Granted
991	IT 2665267	IT	Samsung Electronics Co., LTD.	Granted
992	IT 2804383	IT	Samsung Electronics Co., LTD.	Granted
993	JP 5654597	JP	Samsung Electronics Co., LTD.	Granted
994	JP 5688123	JP	Samsung Electronics Co., LTD.	Granted
995	JP 5688124	JP	Samsung Electronics Co., LTD.	Granted
996	JP 5739571	JP	Samsung Electronics Co., LTD.	Granted
997	JP 5767387	JP	Samsung Electronics Co., LTD.	Granted
998	2015-123028	JP	Samsung Electronics Co., LTD.	Pending
999	KR 1487686	KR	Samsung Electronics Co., LTD.	Granted
1000	KR 1454642	KR	Samsung Electronics Co., LTD.	Granted
1001	2565740	CA	Samsung Electronics Co., LTD.	Granted
1002	2677963	CA	Samsung Electronics Co., LTD.	Granted
1003	2677967	CA	Samsung Electronics Co., LTD.	Granted
1004	ZL200580014321.6	CN	Samsung Electronics Co., LTD.	Granted
1005	ZL200910167090.2	CN	Samsung Electronics Co., LTD.	Granted
1006	ZL200910167083.2	CN	Samsung Electronics Co., LTD.	Granted
1007	ZL200910167082.8	CN	Samsung Electronics Co., LTD.	Granted
1008	1140074	HK	Samsung Electronics Co., LTD.	Granted
1009	1140075	HK	Samsung Electronics Co., LTD.	Granted
1010	P0683879	KR	Samsung Electronics Co., LTD.	Granted
1011	271727	MX	Samsung Electronics Co., LTD.	Granted
1012	301682	MX	Samsung Electronics Co., LTD.	Granted
1013	299759	MX	Samsung Electronics Co., LTD.	Granted
1014	US8619900	US	Samsung Electronics Co., LTD.	Granted
1015	US8644398	US	Samsung Electronics Co., LTD.	Granted
1016	US8638881	US	Samsung Electronics Co., LTD.	Granted
1017	US8705640	US	Samsung Electronics Co., LTD.	Granted

1018	US8644421	US	Samsung Electronics Co., LTD.	Granted
1019	US8634497	US	Samsung Electronics Co., LTD.	Granted
1020	US8660211	US	Samsung Electronics Co., LTD.	Granted
1021	2565736	CA	Samsung Electronics Co., LTD.	Granted
1022	2691756	CA	Samsung Electronics Co., LTD.	Granted
1023	2692245	CA	Samsung Electronics Co., LTD.	Granted
1024	ZL200580014463.2	CN	Samsung Electronics Co., LTD.	Granted
1025	ZL200910220888.9	CN	Samsung Electronics Co., LTD.	Granted
1026	ZL200910220887.4	CN	Samsung Electronics Co., LTD.	Granted
1027	ZL200910252847.8	CN	Samsung Electronics Co., LTD.	Granted
1028	P0692596	KR	Samsung Electronics Co., LTD.	Granted
1029	271889	MX	Samsung Electronics Co., LTD.	Granted
1030	298817	MX	Samsung Electronics Co., LTD.	Granted
1031	304742	MX	Samsung Electronics Co., LTD.	Granted
1032	US7773684	US	Samsung Electronics Co., LTD.	Granted
1033	US7590187	US	Samsung Electronics Co., LTD.	Granted
1034	US8737495	US	Samsung Electronics Co., LTD.	Granted
1035	2565284	CA	Samsung Electronics Co., LTD.	Granted
1036	2679043	CA	Samsung Electronics Co., LTD.	Granted
1037	2679046	CA	Samsung Electronics Co., LTD.	Granted
1038	2679040	CA	Samsung Electronics Co., LTD.	Granted
1039	2679049	CA	Samsung Electronics Co., LTD.	Granted
1040	ZL200580015387.7	CN	Samsung Electronics Co., LTD.	Granted
1041	ZL200910168919.0	CN	Samsung Electronics Co., LTD.	Granted
1042	ZL200910168918.6	CN	Samsung Electronics Co., LTD.	Granted
1043	ZL200910168917.1	CN	Samsung Electronics Co., LTD.	Granted
1044	ZL200910168915.2	CN	Samsung Electronics Co., LTD.	Granted
1045	271730	MX	Samsung Electronics Co., LTD.	Granted
1046	299251	MX	Samsung Electronics Co., LTD.	Granted
1047	299252	MX	Samsung Electronics Co., LTD.	Granted
1048	299253	MX	Samsung Electronics Co., LTD.	Granted
1049	295262	MX	Samsung Electronics Co., LTD.	Granted
1050	US8582682	US	Samsung Electronics Co., LTD.	Granted

1051	US8498364	US	Samsung Electronics Co., LTD.	Granted
1052	US8498367	US	Samsung Electronics Co., LTD.	Granted
1053	US8548080	US	Samsung Electronics Co., LTD.	Granted
1054	US8743996	US	Samsung Electronics Co., LTD.	Granted
1055	US8483303	US	Samsung Electronics Co., LTD.	Granted
1056	US8761313	US	Samsung Electronics Co., LTD.	Granted
1057	US8514981	US	Samsung Electronics Co., LTD.	Granted
1058	US8542780	US	Samsung Electronics Co., LTD.	Granted
1059	US8306158	US	Samsung Electronics Co., LTD.	Granted
1060	US8565354	US	Samsung Electronics Co., LTD.	Granted
1061	2565863	CA	Samsung Electronics Co., LTD.	Granted
1062	ZL200580015642.8	CN	Samsung Electronics Co., LTD.	Granted
1063	ZL200910128567.6	CN	Samsung Electronics Co., LTD.	Granted
1064	277001	MX	Samsung Electronics Co., LTD.	Granted
1065	US7852961	US	Samsung Electronics Co., LTD.	Granted
1066	US8170129	US	Samsung Electronics Co., LTD.	Granted
1067	US8054903	US	Samsung Electronics Co., LTD.	Granted
1068	US8634477	US	Samsung Electronics Co., LTD.	Granted
1069	US8611432	US	Samsung Electronics Co., LTD.	Granted
1070	US8611429	US	Samsung Electronics Co., LTD.	Granted
1071	US8619869	US	Samsung Electronics Co., LTD.	Granted
1072	US8619870	US	Samsung Electronics Co., LTD.	Granted
1073	US8619878	US	Samsung Electronics Co., LTD.	Granted
1074	US8467458	US	Samsung Electronics Co., LTD.	Granted
1075	US8306127	US	Samsung Electronics Co., LTD.	Granted
1076	US8204135	US	Samsung Electronics Co., LTD.	Granted
1077	US8565322	US	Samsung Electronics Co., LTD.	Granted
1078	US8942294	US	Samsung Electronics Co., LTD.	Granted
1079	US8315316	US	Samsung Electronics Co., LTD.	Granted
1080	US9100673	US	Samsung Electronics Co., LTD.	Granted
1081	US9167284	US	Samsung Electronics Co., LTD.	Granted
1082	PI0512505-7	BR	Samsung Electronics Co., LTD.	Pending
1083	PI0520872-6	BR	Samsung Electronics Co., LTD.	Pending

1084	2568023	CA	Samsung Electronics Co., LTD.	Granted
1085	ZL200580020365.X	CN	Samsung Electronics Co., LTD.	Granted
1086	05765831.2	EP	Samsung Electronics Co., LTD.	Pending
1087	09170079.9	EP	Samsung Electronics Co., LTD.	Pending
1088	1100608	HK	Samsung Electronics Co., LTD.	Granted
1089	IDP0030125	ID	Samsung Electronics Co., LTD.	Granted
1090	5990/DELNP/2006	IN	Samsung Electronics Co., LTD.	Pending
1091	5742/DELNP/2009	IN	Samsung Electronics Co., LTD.	Pending
1092	4668987	JP	Samsung Electronics Co., LTD.	Granted
1093	4669063	JP	Samsung Electronics Co., LTD.	Granted
1094	P0744055	KR	Samsung Electronics Co., LTD.	Granted
1095	273726	MX	Samsung Electronics Co., LTD.	Granted
1096	2350037	RU	Samsung Electronics Co., LTD.	Granted
1097	153853	SG	Samsung Electronics Co., LTD.	Granted
1098	US7738581	US	Samsung Electronics Co., LTD.	Granted
1099	US7752528	US	Samsung Electronics Co., LTD.	Granted
1100	US8194797	US	Samsung Electronics Co., LTD.	Granted
1101	US8059741	US	Samsung Electronics Co., LTD.	Granted
1102	US8312357	US	Samsung Electronics Co., LTD.	Granted
1103	US8127210	US	Samsung Electronics Co., LTD.	Granted
1104	2572912	CA	Samsung Electronics Co., LTD.	Granted
1105	2677969	CA	Samsung Electronics Co., LTD.	Granted
1106	2677982	CA	Samsung Electronics Co., LTD.	Granted
1107	2677984	CA	Samsung Electronics Co., LTD.	Granted
1108	2677985	CA	Samsung Electronics Co., LTD.	Granted
1109	ZL200580023761.8	CN	Samsung Electronics Co., LTD.	Granted
1110	ZL200910165469.X	CN	Samsung Electronics Co., LTD.	Granted
1111	ZL200910165470.2	CN	Samsung Electronics Co., LTD.	Granted
1112	ZL200910167081.3	CN	Samsung Electronics Co., LTD.	Granted
1113	ZL200910167086.6	CN	Samsung Electronics Co., LTD.	Granted
1114	ZL200910167085.1	CN	Samsung Electronics Co., LTD.	Granted
1115	1140078	HK	Samsung Electronics Co., LTD.	Granted
1116	1140081	HK	Samsung Electronics Co., LTD.	Granted

1117	P1165379	KR	Samsung Electronics Co., LTD.	Granted
1118	P1172787	KR	Samsung Electronics Co., LTD.	Granted
1119	264029	MX	Samsung Electronics Co., LTD.	Granted
1120	300226	MX	Samsung Electronics Co., LTD.	Granted
1121	294304	MX	Samsung Electronics Co., LTD.	Granted
1122	299249	MX	Samsung Electronics Co., LTD.	Granted
1123	299250	MX	Samsung Electronics Co., LTD.	Granted
1124	291935	MX	Samsung Electronics Co., LTD.	Granted
1125	US7844012	US	Samsung Electronics Co., LTD.	Granted
1126	US8848832	US	Samsung Electronics Co., LTD.	Granted
1127	US8885770	US	Samsung Electronics Co., LTD.	Granted
1128	US8855237	US	Samsung Electronics Co., LTD.	Granted
1129	US7848462	US	Samsung Electronics Co., LTD.	Granted
1130	US8855238	US	Samsung Electronics Co., LTD.	Granted
1131	US8855239	US	Samsung Electronics Co., LTD.	Granted
1132	US8068565	US	Samsung Electronics Co., LTD.	Granted
1133	US8238486	US	Samsung Electronics Co., LTD.	Granted
1134	P0708479	KR	Samsung Electronics Co., LTD.	Granted
1135	PI20061299	MY	Samsung Electronics Co., LTD.	Pending
1136	PI20091471	MY	Samsung Electronics Co., LTD.	Pending
1137	MY-151866-A	MY	Samsung Electronics Co., LTD.	Granted
1138	I314822	TW	Samsung Electronics Co., LTD.	Granted
1139	US9100051	US	Samsung Electronics Co., LTD.	Granted
1140	US8861645	US	Samsung Electronics Co., LTD.	Granted
1141	US8213551	US	Samsung Electronics Co., LTD.	Granted
1142	P0708471	KR	Samsung Electronics Co., LTD.	Granted
1143	2614889	CA	Samsung Electronics Co., LTD.	Granted
1144	2680188	CA	Samsung Electronics Co., LTD.	Granted
1145	2680187	CA	Samsung Electronics Co., LTD.	Granted
1146	ZL200680025724.5	CN	Samsung Electronics Co., LTD.	Granted
1147	ZL200910221917.3	CN	Samsung Electronics Co., LTD.	Granted
1148	P0806863	KR	Samsung Electronics Co., LTD.	Granted
1149	317539	MX	Samsung Electronics Co., LTD.	Granted

1150	335233	MX	Samsung Electronics Co., LTD.	Granted
1151	US7711045	US	Samsung Electronics Co., LTD.	Granted
1152	US8379714	US	Samsung Electronics Co., LTD.	Granted
1153	US7873103	US	Samsung Electronics Co., LTD.	Granted
1154	US7813426	US	Samsung Electronics Co., LTD.	Granted
1155	PI0611174-2	BR	Samsung Electronics Co., LTD.	Pending
1156	PI0622270-6	BR	Samsung Electronics Co., LTD.	Pending
1157	2608461	CA	Samsung Electronics Co., LTD.	Granted
1158	2679566	CA	Samsung Electronics Co., LTD.	Granted
1159	ZL200810148922.1	CN	Samsung Electronics Co., LTD.	Granted
1160	ZL200810148923.6	CN	Samsung Electronics Co., LTD.	Granted
1161	ZL200810148924.0	CN	Samsung Electronics Co., LTD.	Granted
1162	2157795	EP	Samsung Electronics Co., LTD.	Granted
1163	2157795	FI	Samsung Electronics Co., LTD.	Granted
1164	IDP0034248	ID	Samsung Electronics Co., LTD.	Granted
1165	IDP0028562	ID	Samsung Electronics Co., LTD.	Granted
1166	5741/DELNP/2009	IN	Samsung Electronics Co., LTD.	Pending
1167	4839368	JP	Samsung Electronics Co., LTD.	Granted
1168	4839400	JP	Samsung Electronics Co., LTD.	Granted
1169	285212	MX	Samsung Electronics Co., LTD.	Granted
1170	308011	MX	Samsung Electronics Co., LTD.	Granted
1171	2157795	NL	Samsung Electronics Co., LTD.	Granted
1172	2391779	RU	Samsung Electronics Co., LTD.	Granted
1173	137512	SG	Samsung Electronics Co., LTD.	Granted
1174	US7920602	US	Samsung Electronics Co., LTD.	Granted
1175	US8194705	US	Samsung Electronics Co., LTD.	Granted
1176	US8135044	US	Samsung Electronics Co., LTD.	Granted
1177	US8130798	US	Samsung Electronics Co., LTD.	Granted
1178	PI0617315-2	BR	Samsung Electronics Co., LTD.	Pending
1179	PI0617281-4	BR	Samsung Electronics Co., LTD.	Pending
1180	PI0622265-0	BR	Samsung Electronics Co., LTD.	Pending
1181	PI0622266-8	BR	Samsung Electronics Co., LTD.	Pending
1182	PI0622267-6	BR	Samsung Electronics Co., LTD.	Pending

1183	2624477	CA	Samsung Electronics Co., LTD.	Granted
1184	2624399	CA	Samsung Electronics Co., LTD.	Granted
1185	2684448	CA	Samsung Electronics Co., LTD.	Granted
1186	2684432	CA	Samsung Electronics Co., LTD.	Granted
1187	2684435	CA	Samsung Electronics Co., LTD.	Granted
1188	ZL200680036245.3	CN	Samsung Electronics Co., LTD.	Granted
1189	ZL200680034480.7	CN	Samsung Electronics Co., LTD.	Granted
1190	ZL200910179534.4	CN	Samsung Electronics Co., LTD.	Granted
1191	ZL200910179529.3	CN	Samsung Electronics Co., LTD.	Granted
1192	ZL200910179530.6	CN	Samsung Electronics Co., LTD.	Granted
1193	376/MUMNP/2008	IN	Samsung Electronics Co., LTD.	Pending
1194	1827/MUMNP/2009	IN	Samsung Electronics Co., LTD.	Pending
1195	1828/MUMNP/2009	IN	Samsung Electronics Co., LTD.	Pending
1196	1829/MUMNP/2009	IN	Samsung Electronics Co., LTD.	Pending
1197	P0756036	KR	Samsung Electronics Co., LTD.	Granted
1198	303564	MX	Samsung Electronics Co., LTD.	Granted
1199	282032	MX	Samsung Electronics Co., LTD.	Granted
1200	303992	MX	Samsung Electronics Co., LTD.	Granted
1201	303993	MX	Samsung Electronics Co., LTD.	Granted
1202	303991	MX	Samsung Electronics Co., LTD.	Granted
1203	MY-151620-A	MY	Samsung Electronics Co., LTD.	Granted
1204	PI20094217	MY	Samsung Electronics Co., LTD.	Pending
1205	PI20094216	MY	Samsung Electronics Co., LTD.	Pending
1206	US8619876	US	Samsung Electronics Co., LTD.	Granted
1207	US8711947	US	Samsung Electronics Co., LTD.	Granted
1208	US8804841	US	Samsung Electronics Co., LTD.	Granted
1209	US8867623	US	Samsung Electronics Co., LTD.	Granted
1210	US8699584	US	Samsung Electronics Co., LTD.	Granted
1211	US8625679	US	Samsung Electronics Co., LTD.	Granted
1212	2629297	CA	Samsung Electronics Co., LTD.	Granted
1213	2685283	CA	Samsung Electronics Co., LTD.	Granted
1214	2686672	CA	Samsung Electronics Co., LTD.	Granted
1215	2686667	CA	Samsung Electronics Co., LTD.	Granted

1216	2686674	CA	Samsung Electronics Co., LTD.	Granted
1217	2686275	CA	Samsung Electronics Co., LTD.	Granted
1218	ZL200910205252.7	CN	Samsung Electronics Co., LTD.	Granted
1219	ZL200910205254.6	CN	Samsung Electronics Co., LTD.	Granted
1220	ZL200910205253.1	CN	Samsung Electronics Co., LTD.	Granted
1221	ZL200910205249.5	CN	Samsung Electronics Co., LTD.	Granted
1222	5084738	JP	Samsung Electronics Co., LTD.	Granted
1223	4990956	JP	Samsung Electronics Co., LTD.	Granted
1224	5230582	JP	Samsung Electronics Co., LTD.	Granted
1225	5230583	JP	Samsung Electronics Co., LTD.	Granted
1226	4990957	JP	Samsung Electronics Co., LTD.	Granted
1227	P0854090	KR	Samsung Electronics Co., LTD.	Granted
1228	290487	MX	Samsung Electronics Co., LTD.	Granted
1229	299290	MX	Samsung Electronics Co., LTD.	Granted
1230	303563	MX	Samsung Electronics Co., LTD.	Granted
1231	303561	MX	Samsung Electronics Co., LTD.	Granted
1232	303565	MX	Samsung Electronics Co., LTD.	Granted
1233	309746	MX	Samsung Electronics Co., LTD.	Granted
1234	US7983354	US	Samsung Electronics Co., LTD.	Granted
1235	US8537918	US	Samsung Electronics Co., LTD.	Granted
1236	US8111768	US	Samsung Electronics Co., LTD.	Granted
1237	US8223823	US	Samsung Electronics Co., LTD.	Granted
1238	US8320501	US	Samsung Electronics Co., LTD.	Granted
1239	2629998	CA	Samsung Electronics Co., LTD.	Granted
1240	2679572	CA	Samsung Electronics Co., LTD.	Granted
1241	ZL200680041427.X	CN	Samsung Electronics Co., LTD.	Granted
1242	5116691	JP	Samsung Electronics Co., LTD.	Granted
1243	5129798	JP	Samsung Electronics Co., LTD.	Granted
1244	P0740206	KR	Samsung Electronics Co., LTD.	Granted
1245	307259	MX	Samsung Electronics Co., LTD.	Granted
1246	307260	MX	Samsung Electronics Co., LTD.	Granted
1247	US8184695	US	Samsung Electronics Co., LTD.	Granted
1248	US8009704	US	Samsung Electronics Co., LTD.	Granted

1249	US7920622	US	Samsung Electronics Co., LTD.	Granted
1250	US8379673	US	Samsung Electronics Co., LTD.	Granted
1251	US8275004	US	Samsung Electronics Co., LTD.	Granted
1252	2635234	CA	Samsung Electronics Co., LTD.	Granted
1253	ZL200680050391.1	CN	Samsung Electronics Co., LTD.	Granted
1254	282027	MX	Samsung Electronics Co., LTD.	Granted
1255	US7823051	US	Samsung Electronics Co., LTD.	Granted
1256	0620901-7	BR	Samsung Electronics Co., LTD.	Pending
1257	PI0622269-2	BR	Samsung Electronics Co., LTD.	Pending
1258	2635200	CA	Samsung Electronics Co., LTD.	Granted
1259	2680191	CA	Samsung Electronics Co., LTD.	Granted
1260	ZL200910173085.2	CN	Samsung Electronics Co., LTD.	Granted
1261	1980031	DE	Samsung Electronics Co., LTD.	Granted
1262	1980031	EP	Samsung Electronics Co., LTD.	Granted
1263	P1431616	KR	Samsung Electronics Co., LTD.	Granted
1264	298694	MX	Samsung Electronics Co., LTD.	Granted
1265	311288	MX	Samsung Electronics Co., LTD.	Granted
1266	US7913152	US	Samsung Electronics Co., LTD.	Granted
1267	US8332733	US	Samsung Electronics Co., LTD.	Granted
1268	US7941735	US	Samsung Electronics Co., LTD.	Granted
1269	US7996751	US	Samsung Electronics Co., LTD.	Granted
1270	13857	VN	Samsung Electronics Co., LTD.	Granted
1271	P0818229	KR	Samsung Electronics Co., LTD.	Granted
1272	285214	MX	Samsung Electronics Co., LTD.	Granted
1273	US7814400	US	Samsung Electronics Co., LTD.	Granted
1274	P0754732	KR	Samsung Electronics Co., LTD.	Granted
1275	USRE43627	US	Samsung Electronics Co., LTD.	Granted
1276	2685692	AT	Samsung Electronics Co., LTD.	Granted
1277	2685692	BE	Samsung Electronics Co., LTD.	Granted
1278	2685692	BG	Samsung Electronics Co., LTD.	Granted
1279	2685692	CH	Samsung Electronics Co., LTD.	Granted
1280	2153600	CZ	Samsung Electronics Co., LTD.	Granted
1281	2442512	CZ	Samsung Electronics Co., LTD.	Granted

1282	2685692	CZ	Samsung Electronics Co., LTD.	Granted
1283	2153600	DE	Samsung Electronics Co., LTD.	Granted
1284	2442512	DE	Samsung Electronics Co., LTD.	Granted
1285	2685692	DE	Samsung Electronics Co., LTD.	Granted
1286	2685692	DK	Samsung Electronics Co., LTD.	Granted
1287	2153600	EP	Samsung Electronics Co., LTD.	Granted
1288	2442512	EP	Samsung Electronics Co., LTD.	Granted
1289	2685692	EP	Samsung Electronics Co., LTD.	Granted
1290	2153600	ES	Samsung Electronics Co., LTD.	Granted
1291	2442512	ES	Samsung Electronics Co., LTD.	Granted
1292	2685692	ES	Samsung Electronics Co., LTD.	Granted
1293	2153600	FI	Samsung Electronics Co., LTD.	Granted
1294	2442512	FI	Samsung Electronics Co., LTD.	Granted
1295	2685692	FI	Samsung Electronics Co., LTD.	Granted
1296	2153600	FR	Samsung Electronics Co., LTD.	Granted
1297	2442512	FR	Samsung Electronics Co., LTD.	Granted
1298	2685692	FR	Samsung Electronics Co., LTD.	Granted
1299	2153600	GB	Samsung Electronics Co., LTD.	Granted
1300	2442512	GB	Samsung Electronics Co., LTD.	Granted
1301	2685692	GB	Samsung Electronics Co., LTD.	Granted
1302	2685692	GR	Samsung Electronics Co., LTD.	Granted
1303	2153600	HU	Samsung Electronics Co., LTD.	Granted
1304	2442512	HU	Samsung Electronics Co., LTD.	Granted
1305	2685692	HU	Samsung Electronics Co., LTD.	Granted
1306	2153600	IT	Samsung Electronics Co., LTD.	Granted
1307	2442512	IT	Samsung Electronics Co., LTD.	Granted
1308	2685692	IT	Samsung Electronics Co., LTD.	Granted
1309	2153600	NL	Samsung Electronics Co., LTD.	Granted
1310	2442512	NL	Samsung Electronics Co., LTD.	Granted
1311	2685692	NL	Samsung Electronics Co., LTD.	Granted
1312	2685692	NO	Samsung Electronics Co., LTD.	Granted
1313	2153600	PL	Samsung Electronics Co., LTD.	Granted
1314	2442512	PL	Samsung Electronics Co., LTD.	Granted

1315	2685692	PL	Samsung Electronics Co., LTD.	Granted
1316	2685692	PT	Samsung Electronics Co., LTD.	Granted
1317	2685692	RO	Samsung Electronics Co., LTD.	Granted
1318	2153600	SE	Samsung Electronics Co., LTD.	Granted
1319	2442512	SE	Samsung Electronics Co., LTD.	Granted
1320	2685692	SE	Samsung Electronics Co., LTD.	Granted
1321	2685692	SI	Samsung Electronics Co., LTD.	Granted
1322	2153600	SK	Samsung Electronics Co., LTD.	Granted
1323	2442512	SK	Samsung Electronics Co., LTD.	Granted
1324	2685692	SK	Samsung Electronics Co., LTD.	Granted
1325	2685692	TR	Samsung Electronics Co., LTD.	Granted
1326	US8300714	US	Samsung Electronics Co., LTD.	Granted
1327	2091156	AT	Samsung Electronics Co., LTD.	Granted
1328	2093887	AT	Samsung Electronics Co., LTD.	Granted
1329	2009216008	AU	Samsung Electronics Co., LTD.	Granted
1330	2091156	BE	Samsung Electronics Co., LTD.	Granted
1331	2093887	BE	Samsung Electronics Co., LTD.	Granted
1332	2091156	BG	Samsung Electronics Co., LTD.	Granted
1333	2093887	BG	Samsung Electronics Co., LTD.	Granted
1334	2091156	CH	Samsung Electronics Co., LTD.	Granted
1335	2093887	CH	Samsung Electronics Co., LTD.	Granted
1336	ZL200980105340.8	CN	Samsung Electronics Co., LTD.	Granted
1337	ZL201310027486.3	CN	Samsung Electronics Co., LTD.	Granted
1338	ZL201310027180.8	CN	Samsung Electronics Co., LTD.	Granted
1339	2091156	CZ	Samsung Electronics Co., LTD.	Granted
1340	2093887	CZ	Samsung Electronics Co., LTD.	Granted
1341	2091156	DE	Samsung Electronics Co., LTD.	Granted
1342	2093887	DE	Samsung Electronics Co., LTD.	Granted
1343	2091156	DK	Samsung Electronics Co., LTD.	Granted
1344	2093887	DK	Samsung Electronics Co., LTD.	Granted
1345	2091156	EP	Samsung Electronics Co., LTD.	Granted
1346	2093887	EP	Samsung Electronics Co., LTD.	Granted
1347	2091156	ES	Samsung Electronics Co., LTD.	Granted

1348	2093887	ES	Samsung Electronics Co., LTD.	Granted
1349	2091156	FI	Samsung Electronics Co., LTD.	Granted
1350	2093887	FI	Samsung Electronics Co., LTD.	Granted
1351	2091156	FR	Samsung Electronics Co., LTD.	Granted
1352	2093887	FR	Samsung Electronics Co., LTD.	Granted
1353	2091156	GB	Samsung Electronics Co., LTD.	Granted
1354	2093887	GB	Samsung Electronics Co., LTD.	Granted
1355	2091156	GR	Samsung Electronics Co., LTD.	Granted
1356	2093887	GR	Samsung Electronics Co., LTD.	Granted
1357	2091156	HU	Samsung Electronics Co., LTD.	Granted
1358	2093887	HU	Samsung Electronics Co., LTD.	Granted
1359	IDP0030101	ID	Samsung Electronics Co., LTD.	Granted
1360	5824/CHENP/2010	IN	Samsung Electronics Co., LTD.	Pending
1361	201748019697	IN	Samsung Electronics Co., LTD.	Pending
1362	2091156	IT	Samsung Electronics Co., LTD.	Granted
1363	2093887	IT	Samsung Electronics Co., LTD.	Granted
1364	5120862	JP	Samsung Electronics Co., LTD.	Granted
1365	5506878	JP	Samsung Electronics Co., LTD.	Granted
1366	5506879	JP	Samsung Electronics Co., LTD.	Granted
1367	MY-153328-A	MY	Samsung Electronics Co., LTD.	Granted
1368	2091156	NL	Samsung Electronics Co., LTD.	Granted
1369	2093887	NL	Samsung Electronics Co., LTD.	Granted
1370	2091156	NO	Samsung Electronics Co., LTD.	Granted
1371	2093887	NO	Samsung Electronics Co., LTD.	Granted
1372	2091156	PL	Samsung Electronics Co., LTD.	Granted
1373	2093887	PL	Samsung Electronics Co., LTD.	Granted
1374	2091156	PT	Samsung Electronics Co., LTD.	Granted
1375	2093887	PT	Samsung Electronics Co., LTD.	Granted
1376	2091156	RO	Samsung Electronics Co., LTD.	Granted
1377	2093887	RO	Samsung Electronics Co., LTD.	Granted
1378	2450442	RU	Samsung Electronics Co., LTD.	Granted
1379	2091156	SE	Samsung Electronics Co., LTD.	Granted
1380	2093887	SE	Samsung Electronics Co., LTD.	Granted

1381	163313	SG	Samsung Electronics Co., LTD.	Granted
1382	2091156	SI	Samsung Electronics Co., LTD.	Granted
1383	2093887	SI	Samsung Electronics Co., LTD.	Granted
1384	2091156	SK	Samsung Electronics Co., LTD.	Granted
1385	2093887	SK	Samsung Electronics Co., LTD.	Granted
1386	2091156	TR	Samsung Electronics Co., LTD.	Granted
1387	2093887	TR	Samsung Electronics Co., LTD.	Granted
1388	1387212	TW	Samsung Electronics Co., LTD.	Granted
1389	US8291282	US	Samsung Electronics Co., LTD.	Granted
1390	10740	VN	Samsung Electronics Co., LTD.	Granted
1391	2009209844	AU	Samsung Electronics Co., LTD.	Granted
1392	ZL200980103350.8	CN	Samsung Electronics Co., LTD.	Granted
1393	09151552.8	EP	Samsung Electronics Co., LTD.	Pending
1394	IDP000034361	ID	Samsung Electronics Co., LTD.	Granted
1395	276993	IN	Samsung Electronics Co., LTD.	Granted
1396	5255655	JP	Samsung Electronics Co., LTD.	Granted
1397	MY-156891-A	MY	Samsung Electronics Co., LTD.	Granted
1398	1-2010-501653	PH	Samsung Electronics Co., LTD.	Granted
1399	2479130	RU	Samsung Electronics Co., LTD.	Granted
1400	162518	SG	Samsung Electronics Co., LTD.	Granted
1401	US9628205	US	Samsung Electronics Co., LTD.	Granted
1402	12348	VN	Samsung Electronics Co., LTD.	Granted
1403	2009213247	AU	Samsung Electronics Co., LTD.	Granted
1404	2013203514	AU	Samsung Electronics Co., LTD.	Granted
1405	ZL200980104873.4	CN	Samsung Electronics Co., LTD.	Granted
1406	ZL201310168423.X	CN	Samsung Electronics Co., LTD.	Granted
1407	2088678	DE	Samsung Electronics Co., LTD.	Granted
1408	2093886	DE	Samsung Electronics Co., LTD.	Granted
1409	2088678	EP	Samsung Electronics Co., LTD.	Granted
1410	2093886	EP	Samsung Electronics Co., LTD.	Granted
1411	12188084.3	EP	Samsung Electronics Co., LTD.	Pending
1412	12188093.4	EP	Samsung Electronics Co., LTD.	Pending
1413	12188162.7	EP	Samsung Electronics Co., LTD.	Pending

1414	12188183.3	EP	Samsung Electronics Co., LTD.	Pending
1415	2088678	FR	Samsung Electronics Co., LTD.	Granted
1416	2093886	FR	Samsung Electronics Co., LTD.	Granted
1417	2088678	GB	Samsung Electronics Co., LTD.	Granted
1418	2093886	GB	Samsung Electronics Co., LTD.	Granted
1419	IDP000035694	ID	Samsung Electronics Co., LTD.	Granted
1420	3338/KOLNP/2010	IN	Samsung Electronics Co., LTD.	Pending
1421	5506099	JP	Samsung Electronics Co., LTD.	Granted
1422	5583833	JP	Samsung Electronics Co., LTD.	Granted
1423	MY-152791-A	MY	Samsung Electronics Co., LTD.	Granted
1424	PI2010003511	MY	Samsung Electronics Co., LTD.	Pending
1425	2088678	NL	Samsung Electronics Co., LTD.	Granted
1426	2093886	NL	Samsung Electronics Co., LTD.	Granted
1427	2439793	RU	Samsung Electronics Co., LTD.	Granted
1428	188149	SG	Samsung Electronics Co., LTD.	Granted
1429	10201400710U	SG	Samsung Electronics Co., LTD.	Granted
1430	I384766	TW	Samsung Electronics Co., LTD.	Granted
1431	I401892	TW	Samsung Electronics Co., LTD.	Granted
1432	US8286065	US	Samsung Electronics Co., LTD.	Granted
1433	14512	VN	Samsung Electronics Co., LTD.	Granted
1434	2009216037	AU	Samsung Electronics Co., LTD.	Granted
1435	ZL200980106092.9	CN	Samsung Electronics Co., LTD.	Granted
1436	09153321.6	EP	Samsung Electronics Co., LTD.	Pending
1437	09154672.1	EP	Samsung Electronics Co., LTD.	Pending
1438	IDP0031942	ID	Samsung Electronics Co., LTD.	Granted
1439	5866/CHENP/2010	IN	Samsung Electronics Co., LTD.	Pending
1440	5175942	JP	Samsung Electronics Co., LTD.	Granted
1441	MY-157527-A	MY	Samsung Electronics Co., LTD.	Granted
1442	1-2010-501893	PH	Samsung Electronics Co., LTD.	Granted
1443	2450474	RU	Samsung Electronics Co., LTD.	Granted
1444	163417	SG	Samsung Electronics Co., LTD.	Granted
1445	US9060251	US	Samsung Electronics Co., LTD.	Granted
1446	US9602978	US	Samsung Electronics Co., LTD.	Granted

1447	US9602979	US	Samsung Electronics Co., LTD.	Granted
1448	14312	VN	Samsung Electronics Co., LTD.	Granted
1449	2009217934	AU	Samsung Electronics Co., LTD.	Granted
1450	2013201428	AU	Samsung Electronics Co., LTD.	Granted
1451	ZL200980114592.7	CN	Samsung Electronics Co., LTD.	Granted
1452	201310149429.2	CN	Samsung Electronics Co., LTD.	Pending
1453	ZL201310149574.0	CN	Samsung Electronics Co., LTD.	Granted
1454	2096760	DE	Samsung Electronics Co., LTD.	Granted
1455	2099136	DE	Samsung Electronics Co., LTD.	Granted
1456	2096760	EP	Samsung Electronics Co., LTD.	Granted
1457	2099136	EP	Samsung Electronics Co., LTD.	Granted
1458	11151068.1	EP	Samsung Electronics Co., LTD.	Pending
1459	12166288.6	EP	Samsung Electronics Co., LTD.	Pending
1460	2096760	ES	Samsung Electronics Co., LTD.	Granted
1461	2099136	ES	Samsung Electronics Co., LTD.	Granted
1462	2096760	FR	Samsung Electronics Co., LTD.	Granted
1463	2099136	FR	Samsung Electronics Co., LTD.	Granted
1464	2096760	GB	Samsung Electronics Co., LTD.	Granted
1465	2099136	GB	Samsung Electronics Co., LTD.	Granted
1466	2096760	HU	Samsung Electronics Co., LTD.	Granted
1467	IDP000040112	ID	Samsung Electronics Co., LTD.	Granted
1468	5865/CHENP/2010	IN	Samsung Electronics Co., LTD.	Pending
1469	2096760	IT	Samsung Electronics Co., LTD.	Granted
1470	2099136	IT	Samsung Electronics Co., LTD.	Granted
1471	5440804	JP	Samsung Electronics Co., LTD.	Granted
1472	5648223	JP	Samsung Electronics Co., LTD.	Granted
1473	5648224	JP	Samsung Electronics Co., LTD.	Granted
1474	MY-152769-A	MY	Samsung Electronics Co., LTD.	Granted
1475	PI2014003229	MY	Samsung Electronics Co., LTD.	Pending
1476	2096760	NL	Samsung Electronics Co., LTD.	Granted
1477	2099136	NL	Samsung Electronics Co., LTD.	Granted
1478	2454794	RU	Samsung Electronics Co., LTD.	Granted
1479	2490791	RU	Samsung Electronics Co., LTD.	Granted

1480	2543553	RU	Samsung Electronics Co., LTD.	Granted
1481	2096760	SE	Samsung Electronics Co., LTD.	Granted
1482	2099136	SE	Samsung Electronics Co., LTD.	Granted
1483	163819	SG	Samsung Electronics Co., LTD.	Granted
1484	188821	SG	Samsung Electronics Co., LTD.	Granted
1485	10201401192S	SG	Samsung Electronics Co., LTD.	Granted
1486	I399043	TW	Samsung Electronics Co., LTD.	Granted
1487	I506964	TW	Samsung Electronics Co., LTD.	Granted
1488	I506963	TW	Samsung Electronics Co., LTD.	Granted
1489	US8176384	US	Samsung Electronics Co., LTD.	Granted
1490	13666	VN	Samsung Electronics Co., LTD.	Granted
1491	2096761	AT	Samsung Electronics Co., LTD.	Granted
1492	2009217933	AU	Samsung Electronics Co., LTD.	Granted
1493	2013203761	AU	Samsung Electronics Co., LTD.	Granted
1494	2096761	BE	Samsung Electronics Co., LTD.	Granted
1495	2584707	BE	Samsung Electronics Co., LTD.	Granted
1496	2096761	BG	Samsung Electronics Co., LTD.	Granted
1497	2096761	CH	Samsung Electronics Co., LTD.	Granted
1498	ZL200980114594.6	CN	Samsung Electronics Co., LTD.	Granted
1499	ZL201310261513.3	CN	Samsung Electronics Co., LTD.	Granted
1500	ZL201310261500.6	CN	Samsung Electronics Co., LTD.	Granted
1501	ZL201310261487.4	CN	Samsung Electronics Co., LTD.	Granted
1502	2096761	CZ	Samsung Electronics Co., LTD.	Granted
1503	2096761	DE	Samsung Electronics Co., LTD.	Granted
1504	2584707	DE	Samsung Electronics Co., LTD.	Granted
1505	2584708	DE	Samsung Electronics Co., LTD.	Granted
1506	2096761	DK	Samsung Electronics Co., LTD.	Granted
1507	2584707	DK	Samsung Electronics Co., LTD.	Granted
1508	2096761	EP	Samsung Electronics Co., LTD.	Granted
1509	09154661.4	EP	Samsung Electronics Co., LTD.	Pending
1510	2584707	EP	Samsung Electronics Co., LTD.	Granted
1511	2584708	EP	Samsung Electronics Co., LTD.	Granted
1512	2096761	ES	Samsung Electronics Co., LTD.	Granted

1513	2584707	ES	Samsung Electronics Co., LTD.	Granted
1514	2584708	ES	Samsung Electronics Co., LTD.	Granted
1515	2096761	FI	Samsung Electronics Co., LTD.	Granted
1516	2584708	FI	Samsung Electronics Co., LTD.	Granted
1517	2096761	FR	Samsung Electronics Co., LTD.	Granted
1518	2584707	FR	Samsung Electronics Co., LTD.	Granted
1519	2584708	FR	Samsung Electronics Co., LTD.	Granted
1520	2096761	GB	Samsung Electronics Co., LTD.	Granted
1521	2584707	GB	Samsung Electronics Co., LTD.	Granted
1522	2584708	GB	Samsung Electronics Co., LTD.	Granted
1523	2096761	GR	Samsung Electronics Co., LTD.	Granted
1524	2096761	HU	Samsung Electronics Co., LTD.	Granted
1525	IDP000039403	ID	Samsung Electronics Co., LTD.	Granted
1526	5864/CHENP/2010	IN	Samsung Electronics Co., LTD.	Pending
1527	2096761	IT	Samsung Electronics Co., LTD.	Granted
1528	2584707	IT	Samsung Electronics Co., LTD.	Granted
1529	2584708	IT	Samsung Electronics Co., LTD.	Granted
1530	5440805	JP	Samsung Electronics Co., LTD.	Granted
1531	5644010	JP	Samsung Electronics Co., LTD.	Granted
1532	5644011	JP	Samsung Electronics Co., LTD.	Granted
1533	5644012	JP	Samsung Electronics Co., LTD.	Granted
1534	PI2010003681	MY	Samsung Electronics Co., LTD.	Pending
1535	2096761	NL	Samsung Electronics Co., LTD.	Granted
1536	2584707	NL	Samsung Electronics Co., LTD.	Granted
1537	2584708	NL	Samsung Electronics Co., LTD.	Granted
1538	2096761	NO	Samsung Electronics Co., LTD.	Granted
1539	2584707	NO	Samsung Electronics Co., LTD.	Granted
1540	2096761	PL	Samsung Electronics Co., LTD.	Granted
1541	2096761	PT	Samsung Electronics Co., LTD.	Granted
1542	2584707	PT	Samsung Electronics Co., LTD.	Granted
1543	2096761	RO	Samsung Electronics Co., LTD.	Granted
1544	2450443	RU	Samsung Electronics Co., LTD.	Granted
1545	2520406	RU	Samsung Electronics Co., LTD.	Granted

1546	2520405	RU	Samsung Electronics Co., LTD.	Granted
1547	2096761	SE	Samsung Electronics Co., LTD.	Granted
1548	2584707	SE	Samsung Electronics Co., LTD.	Granted
1549	2584708	SE	Samsung Electronics Co., LTD.	Granted
1550	163815	SG	Samsung Electronics Co., LTD.	Granted
1551	188820	SG	Samsung Electronics Co., LTD.	Granted
1552	10201401195Q	SG	Samsung Electronics Co., LTD.	Granted
1553	2096761	SI	Samsung Electronics Co., LTD.	Granted
1554	2096761	SK	Samsung Electronics Co., LTD.	Granted
1555	2096761	TR	Samsung Electronics Co., LTD.	Granted
1556	I399928	TW	Samsung Electronics Co., LTD.	Granted
1557	I511469	TW	Samsung Electronics Co., LTD.	Granted
1558	I511470	TW	Samsung Electronics Co., LTD.	Granted
1559	US8271846	US	Samsung Electronics Co., LTD.	Granted
1560	13667	VN	Samsung Electronics Co., LTD.	Granted
1561	P20130113714	KR	Samsung Electronics Co., LTD.	Pending
1562	201410315991.2	CN	Samsung Electronics Co., LTD.	Pending
1563	14175265.9	EP	Samsung Electronics Co., LTD.	Pending
1564	P20130115739	KR	Samsung Electronics Co., LTD.	Pending
1565	US14/308977	US	Samsung Electronics Co., LTD.	Pending
1566	201410321144.7	CN	Samsung Electronics Co., LTD.	Pending
1567	14175742.7	EP	Samsung Electronics Co., LTD.	Pending
1568	P20140067800	KR	Samsung Electronics Co., LTD.	Pending
1569	US9300376	US	Samsung Electronics Co., LTD.	Granted
1570	201410318897.2	CN	Samsung Electronics Co., LTD.	Pending
1571	P20140075128	KR	Samsung Electronics Co., LTD.	Pending
1572	US9276654	US	Samsung Electronics Co., LTD.	Granted
1573	P20130112199	KR	Samsung Electronics Co., LTD.	Pending
1574	US9450704	US	Samsung Electronics Co., LTD.	Granted
1575	P20130066188	KR	Samsung Electronics Co., LTD.	Pending
1576	US14/290062	US	Samsung Electronics Co., LTD.	Pending
1577	P20130073222	KR	Samsung Electronics Co., LTD.	Pending
1578	US9548765	US	Samsung Electronics Co., LTD.	Granted

1579	P20130115740	KR	Samsung Electronics Co., LTD.	Pending
1580	US9467748	US	Samsung Electronics Co., LTD.	Granted
1581	P20130114787	KR	Samsung Electronics Co., LTD.	Pending
1582	US9553607	US	Samsung Electronics Co., LTD.	Granted
1583	P20130109542	KR	Samsung Electronics Co., LTD.	Pending
1584	US9210002	US	Samsung Electronics Co., LTD.	Granted
1585	P20130096061	KR	Samsung Electronics Co., LTD.	Pending
1586	US9667757	US	Samsung Electronics Co., LTD.	Granted
1587	P20130114921	KR	Samsung Electronics Co., LTD.	Pending
1588	US9559723	US	Samsung Electronics Co., LTD.	Granted
1589	P20130115400	KR	Samsung Electronics Co., LTD.	Pending
1590	US14/496388	US	Samsung Electronics Co., LTD.	Pending
1591	P20130114922	KR	Samsung Electronics Co., LTD.	Pending
1592	201480072208.2	CN	Samsung Electronics Co., LTD.	Pending
1593	P20140000808	KR	Samsung Electronics Co., LTD.	Pending
1594	US9571322	US	Samsung Electronics Co., LTD.	Granted
1595	P20140002942	KR	Samsung Electronics Co., LTD.	Pending
1596	US14/314487	US	Samsung Electronics Co., LTD.	Pending
1597	P20130166444	KR	Samsung Electronics Co., LTD.	Pending
1598	US9621396	US	Samsung Electronics Co., LTD.	Granted
1599	P20130115741	KR	Samsung Electronics Co., LTD.	Pending
1600	US14/273630	US	Samsung Electronics Co., LTD.	Pending
1601	P20140055634	KR	Samsung Electronics Co., LTD.	Pending
1602	US9356815	US	Samsung Electronics Co., LTD.	Granted
1603	P20140054755	KR	Samsung Electronics Co., LTD.	Pending
1604	US9231807	US	Samsung Electronics Co., LTD.	Granted
1605	P20140121189	KR	Samsung Electronics Co., LTD.	Pending
1606	US9184966	US	Samsung Electronics Co., LTD.	Granted
1607	P20140058323	KR	Samsung Electronics Co., LTD.	Pending
1608	US9362952	US	Samsung Electronics Co., LTD.	Granted
1609	P20140065370	KR	Samsung Electronics Co., LTD.	Pending
1610	US9553613	US	Samsung Electronics Co., LTD.	Granted
1611	AU 2011239128	AU	Samsung Electronics Co., LTD.	Granted

1612	2016201285	AU	Samsung Electronics Co., LTD.	Pending
1613	1120120253123	BR	Samsung Electronics Co., LTD.	Pending
1614	2795439	CA	Samsung Electronics Co., LTD.	Pending
1615	2887786	CA	Samsung Electronics Co., LTD.	Pending
1616	2887783	CA	Samsung Electronics Co., LTD.	Pending
1617	2887748	CA	Samsung Electronics Co., LTD.	Pending
1618	2887791	CA	Samsung Electronics Co., LTD.	Pending
1619	CN ZL201180027828.0	CN	Samsung Electronics Co., LTD.	Granted
1620	201510219893	CN	Samsung Electronics Co., LTD.	Pending
1621	201510217267	CN	Samsung Electronics Co., LTD.	Pending
1622	201510219881	CN	Samsung Electronics Co., LTD.	Pending
1623	201510217251	CN	Samsung Electronics Co., LTD.	Pending
1624	201510218304.X	CN	Samsung Electronics Co., LTD.	Pending
1625	11766125	EP	Samsung Electronics Co., LTD.	Pending
1626	15191860	EP	Samsung Electronics Co., LTD.	Pending
1627	15191912	EP	Samsung Electronics Co., LTD.	Pending
1628	15191964	EP	Samsung Electronics Co., LTD.	Pending
1629	15191968	EP	Samsung Electronics Co., LTD.	Pending
1630	ID P000039995	ID	Samsung Electronics Co., LTD.	Granted
1631	P-00201506991	ID	Samsung Electronics Co., LTD.	Pending
1632	P-00201506992	ID	Samsung Electronics Co., LTD.	Pending
1633	P-00201506993	ID	Samsung Electronics Co., LTD.	Pending
1634	P-00201506990	ID	Samsung Electronics Co., LTD.	Pending
1635	9227/CHENP/2012	IN	Samsung Electronics Co., LTD.	Pending
1636	2357/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1637	2356/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1638	2355/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1639	2354/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1640	2353/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1641	2015-90686	JP	Samsung Electronics Co., LTD.	Pending
1642	KR 1529992	KR	Samsung Electronics Co., LTD.	Granted
1643	P20160064227	KR	Samsung Electronics Co., LTD.	Pending
1644	MX 316237	MX	Samsung Electronics Co., LTD.	Granted

1645	MX 320438	MX	Samsung Electronics Co., LTD.	Granted
1646	MX 320437	MX	Samsung Electronics Co., LTD.	Granted
1647	MX 320436	MX	Samsung Electronics Co., LTD.	Granted
1648	MX 320433	MX	Samsung Electronics Co., LTD.	Granted
1649	MY-154665-A	MY	Samsung Electronics Co., LTD.	Granted
1650	PI2014003542	MY	Samsung Electronics Co., LTD.	Pending
1651	PI2015000863	MY	Samsung Electronics Co., LTD.	Pending
1652	PI2015000867	MY	Samsung Electronics Co., LTD.	Pending
1653	PI2015000868	MY	Samsung Electronics Co., LTD.	Pending
1654	RU 2554555	RU	Samsung Electronics Co., LTD.	Granted
1655	2015118706	RU	Samsung Electronics Co., LTD.	Pending
1656	2015118705	RU	Samsung Electronics Co., LTD.	Pending
1657	2015118881	RU	Samsung Electronics Co., LTD.	Pending
1658	2015118723	RU	Samsung Electronics Co., LTD.	Pending
1659	US 8982962	US	Samsung Electronics Co., LTD.	Granted
1660	US 9118914	US	Samsung Electronics Co., LTD.	Granted
1661	US 9124892	US	Samsung Electronics Co., LTD.	Granted
1662	US 9124893	US	Samsung Electronics Co., LTD.	Granted
1663	US 9124894	US	Samsung Electronics Co., LTD.	Granted
1664	US14/802584	US	Samsung Electronics Co., LTD.	Pending
1665	1-2012-03280	VN	Samsung Electronics Co., LTD.	Pending
1666	1-2016-01901	VN	Samsung Electronics Co., LTD.	Pending
1667	1-2016-01902	VN	Samsung Electronics Co., LTD.	Pending
1668	1-2016-01903	VN	Samsung Electronics Co., LTD.	Pending
1669	1-2016-01904	VN	Samsung Electronics Co., LTD.	Pending
1670	2015/00711	ZA	Samsung Electronics Co., LTD.	Pending
1671	2015/00712	ZA	Samsung Electronics Co., LTD.	Pending
1672	2015/00713	ZA	Samsung Electronics Co., LTD.	Pending
1673	2015/00714	ZA	Samsung Electronics Co., LTD.	Pending
1674	AL 2545713	AL	Samsung Electronics Co., LTD.	Granted
1675	AT 2545713	AT	Samsung Electronics Co., LTD.	Granted
1676	AU 2011239130	AU	Samsung Electronics Co., LTD.	Granted
1677	BE 2545713	BE	Samsung Electronics Co., LTD.	Granted

1678	BG 2545713	BG	Samsung Electronics Co., LTD.	Granted
1679	1120120253107	BR	Samsung Electronics Co., LTD.	Pending
1680	2795475	CA	Samsung Electronics Co., LTD.	Pending
1681	2884205	CA	Samsung Electronics Co., LTD.	Pending
1682	2884540	CA	Samsung Electronics Co., LTD.	Pending
1683	2884537	CA	Samsung Electronics Co., LTD.	Pending
1684	2884486	CA	Samsung Electronics Co., LTD.	Pending
1685	CH 2545713	CH	Samsung Electronics Co., LTD.	Granted
1686	201180027803	CN	Samsung Electronics Co., LTD.	Pending
1687	201510175695	CN	Samsung Electronics Co., LTD.	Pending
1688	201510173765.X	CN	Samsung Electronics Co., LTD.	Pending
1689	201510175695	CN	Samsung Electronics Co., LTD.	Pending
1690	201510175913	CN	Samsung Electronics Co., LTD.	Pending
1691	201510175162	CN	Samsung Electronics Co., LTD.	Pending
1692	201510173807.X	CN	Samsung Electronics Co., LTD.	Pending
1693	CY 2545713	CY	Samsung Electronics Co., LTD.	Granted
1694	CZ 2545713	CZ	Samsung Electronics Co., LTD.	Granted
1695	DE 60 2011 026 738.8	DE	Samsung Electronics Co., LTD.	Granted
1696	DK 2545713	DK	Samsung Electronics Co., LTD.	Granted
1697	EE 2545713	EE	Samsung Electronics Co., LTD.	Granted
1698	15160768	EP	Samsung Electronics Co., LTD.	Pending
1699	15160769	EP	Samsung Electronics Co., LTD.	Pending
1700	15160769	EP	Samsung Electronics Co., LTD.	Pending
1701	15160770	EP	Samsung Electronics Co., LTD.	Pending
1702	ES 2545713	ES	Samsung Electronics Co., LTD.	Granted
1703	FI 2545713	FI	Samsung Electronics Co., LTD.	Granted
1704	FR 2545713	FR	Samsung Electronics Co., LTD.	Granted
1705	GB 2545713	GB	Samsung Electronics Co., LTD.	Granted
1706	GR 2545713	GR	Samsung Electronics Co., LTD.	Granted
1707	HR 2545713	HR	Samsung Electronics Co., LTD.	Granted
1708	HU 2545713	HU	Samsung Electronics Co., LTD.	Granted
1709	W-00201204524	ID	Samsung Electronics Co., LTD.	Pending
1710	P-00201501778	ID	Samsung Electronics Co., LTD.	Pending

1711	P-00201501779	ID	Samsung Electronics Co., LTD.	Pending
1712	P-00201501780	ID	Samsung Electronics Co., LTD.	Pending
1713	P-00201501781	ID	Samsung Electronics Co., LTD.	Pending
1714	P-00201501782	ID	Samsung Electronics Co., LTD.	Pending
1715	IE 2545713	IE	Samsung Electronics Co., LTD.	Granted
1716	9254/CHENP/2012	IN	Samsung Electronics Co., LTD.	Pending
1717	1673/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1718	1674/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1719	1683/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1720	1680/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1721	1682/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1722	IS 2545713	IS	Samsung Electronics Co., LTD.	Granted
1723	IT 2545713	IT	Samsung Electronics Co., LTD.	Granted
1724	2015-95268	JP	Samsung Electronics Co., LTD.	Pending
1725	2015-95269	JP	Samsung Electronics Co., LTD.	Pending
1726	2015-95270	JP	Samsung Electronics Co., LTD.	Pending
1727	2015-95271	JP	Samsung Electronics Co., LTD.	Pending
1728	KR 1503269	KR	Samsung Electronics Co., LTD.	Granted
1729	P20140148755	KR	Samsung Electronics Co., LTD.	Pending
1730	P20150034010	KR	Samsung Electronics Co., LTD.	Pending
1731	P20150034011	KR	Samsung Electronics Co., LTD.	Pending
1732	P20150034012	KR	Samsung Electronics Co., LTD.	Pending
1733	P20150034013	KR	Samsung Electronics Co., LTD.	Pending
1734	LI 2545713	LI	Samsung Electronics Co., LTD.	Granted
1735	LT 2545713	LT	Samsung Electronics Co., LTD.	Granted
1736	LU 2545713	LU	Samsung Electronics Co., LTD.	Granted
1737	LV 2545713	LV	Samsung Electronics Co., LTD.	Granted
1738	MC 2545713	MC	Samsung Electronics Co., LTD.	Granted
1739	MK 2545713	MK	Samsung Electronics Co., LTD.	Granted
1740	MT 2545713	MT	Samsung Electronics Co., LTD.	Granted
1741	MX 310105	MX	Samsung Electronics Co., LTD.	Granted
1742	PI2012004419	MY	Samsung Electronics Co., LTD.	Pending
1743	PI2015000649	MY	Samsung Electronics Co., LTD.	Pending

1744	Pi2015000651	MY	Samsung Electronics Co., LTD.	Pending
1745	PI2015000650	MY	Samsung Electronics Co., LTD.	Pending
1746	PI2015000652	MY	Samsung Electronics Co., LTD.	Pending
1747	PI2015000648	MY	Samsung Electronics Co., LTD.	Pending
1748	NL 2545713	NL	Samsung Electronics Co., LTD.	Granted
1749	NO 2545713	NO	Samsung Electronics Co., LTD.	Granted
1750	PL 2545713	PL	Samsung Electronics Co., LTD.	Granted
1751	PT 2545713	PT	Samsung Electronics Co., LTD.	Granted
1752	RO 2545713	RO	Samsung Electronics Co., LTD.	Granted
1753	RS 2545713	RS	Samsung Electronics Co., LTD.	Granted
1754	RU 2542884	RU	Samsung Electronics Co., LTD.	Granted
1755	2014153750	RU	Samsung Electronics Co., LTD.	Pending
1756	2014153851	RU	Samsung Electronics Co., LTD.	Pending
1757	2014153752	RU	Samsung Electronics Co., LTD.	Pending
1758	2014153849	RU	Samsung Electronics Co., LTD.	Pending
1759	2014153748	RU	Samsung Electronics Co., LTD.	Pending
1760	SE 2545713	SE	Samsung Electronics Co., LTD.	Granted
1761	SI 2545713	SI	Samsung Electronics Co., LTD.	Granted
1762	SK 2545713	SK	Samsung Electronics Co., LTD.	Granted
1763	SM 2545713	SM	Samsung Electronics Co., LTD.	Granted
1764	TR 2545713	TR	Samsung Electronics Co., LTD.	Granted
1765	US 8964840	US	Samsung Electronics Co., LTD.	Granted
1766	US14/597808	US	Samsung Electronics Co., LTD.	Pending
1767	US14/597853	US	Samsung Electronics Co., LTD.	Pending
1768	US14/597724	US	Samsung Electronics Co., LTD.	Pending
1769	1-2012-03277	VN	Samsung Electronics Co., LTD.	Pending
1770	1-2015-00807	VN	Samsung Electronics Co., LTD.	Pending
1771	1-2015-00806	VN	Samsung Electronics Co., LTD.	Pending
1772	1-2015-00808	VN	Samsung Electronics Co., LTD.	Pending
1773	1-2015-00809	VN	Samsung Electronics Co., LTD.	Pending
1774	2015/000715	ZA	Samsung Electronics Co., LTD.	Pending
1775	2015/000716	ZA	Samsung Electronics Co., LTD.	Pending
1776	2015/000718	ZA	Samsung Electronics Co., LTD.	Pending

1777	2015/000719	ZA	Samsung Electronics Co., LTD.	Pending
1778	CN ZL201180014824.9	CN	Samsung Electronics Co., LTD.	Granted
1779	201510445851	CN	Samsung Electronics Co., LTD.	Pending
1780	201510446035	CN	Samsung Electronics Co., LTD.	Pending
1781	201510445869	CN	Samsung Electronics Co., LTD.	Pending
1782	201510446031	CN	Samsung Electronics Co., LTD.	Pending
1783	201510445625	CN	Samsung Electronics Co., LTD.	Pending
1784	11734862	EP	Samsung Electronics Co., LTD.	Pending
1785	2012-549942	JP	Samsung Electronics Co., LTD.	Pending
1786	2016-111255	JP	Samsung Electronics Co., LTD.	Pending
1787	P20160034725	KR	Samsung Electronics Co., LTD.	Pending
1788	PI2012003278	MY	Samsung Electronics Co., LTD.	Pending
1789	1-2012-501455	PH	Samsung Electronics Co., LTD.	Pending
1790	1201003611	TH	Samsung Electronics Co., LTD.	Pending
1791	US15/133918	US	Samsung Electronics Co., LTD.	Pending
1792	1-2012-02447	VN	Samsung Electronics Co., LTD.	Pending
1793	1-2016-00371	VN	Samsung Electronics Co., LTD.	Pending
1794	CN ZL201180034696.4	CN	Samsung Electronics Co., LTD.	Granted
1795	201610374155	CN	Samsung Electronics Co., LTD.	Pending
1796	201610373549	CN	Samsung Electronics Co., LTD.	Pending
1797	201610374809	CN	Samsung Electronics Co., LTD.	Pending
1798	11780863	EP	Samsung Electronics Co., LTD.	Pending
1799	W-00201205186	ID	Samsung Electronics Co., LTD.	Pending
1800	P20110006485	KR	Samsung Electronics Co., LTD.	Pending
1801	PI2012004942	MY	Samsung Electronics Co., LTD.	Pending
1802	PI2014002343	MY	Samsung Electronics Co., LTD.	Pending
1803	PI2015000990	MY	Samsung Electronics Co., LTD.	Pending
1804	PI2015000992	MY	Samsung Electronics Co., LTD.	Pending
1805	PI2015000991	MY	Samsung Electronics Co., LTD.	Pending
1806	US13/108188	US	Samsung Electronics Co., LTD.	Pending
1807	1-2012-03745	VN	Samsung Electronics Co., LTD.	Pending
1808	2015218476	AU	Samsung Electronics Co., LTD.	Pending
1809	2016213718	AU	Samsung Electronics Co., LTD.	Pending

1810	1120130005580	BR	Samsung Electronics Co., LTD.	Pending
1811	2921710	CA	Samsung Electronics Co., LTD.	Pending
1812	CN ZL201180043638.8	CN	Samsung Electronics Co., LTD.	Granted
1813	201610305425	CN	Samsung Electronics Co., LTD.	Pending
1814	201610304349	CN	Samsung Electronics Co., LTD.	Pending
1815	201610305656	CN	Samsung Electronics Co., LTD.	Pending
1816	201610305591	CN	Samsung Electronics Co., LTD.	Pending
1817	11803837	EP	Samsung Electronics Co., LTD.	Pending
1818	16180224	EP	Samsung Electronics Co., LTD.	Pending
1819	16180225	EP	Samsung Electronics Co., LTD.	Pending
1820	16180228	EP	Samsung Electronics Co., LTD.	Pending
1821	W-00201300542	ID	Samsung Electronics Co., LTD.	Pending
1822	P-00201603246	ID	Samsung Electronics Co., LTD.	Pending
1823	P-00201603233	ID	Samsung Electronics Co., LTD.	Pending
1824	P-00201603232	ID	Samsung Electronics Co., LTD.	Pending
1825	P-00201603231	ID	Samsung Electronics Co., LTD.	Pending
1826	1039/CHENP/2013	IN	Samsung Electronics Co., LTD.	Pending
1827	2016-5602	JP	Samsung Electronics Co., LTD.	Pending
1828	P20110067996	KR	Samsung Electronics Co., LTD.	Pending
1829	PI2013000067	MY	Samsung Electronics Co., LTD.	Pending
1830	PI2015000038	MY	Samsung Electronics Co., LTD.	Pending
1831	PI2015000862	MY	Samsung Electronics Co., LTD.	Pending
1832	PI2015000870	MY	Samsung Electronics Co., LTD.	Pending
1833	PI2015000864	MY	Samsung Electronics Co., LTD.	Pending
1834	1-2013-500062	PH	Samsung Electronics Co., LTD.	Pending
1835	1-2015-500942	PH	Samsung Electronics Co., LTD.	Pending
1836	1-2015-500943	PH	Samsung Electronics Co., LTD.	Pending
1837	1-2015-500944	PH	Samsung Electronics Co., LTD.	Pending
1838	1-2015-500945	PH	Samsung Electronics Co., LTD.	Pending
1839	2014133412	RU	Samsung Electronics Co., LTD.	Pending
1840	201307864-7	SG	Samsung Electronics Co., LTD.	Pending
1841	1301000136	TH	Samsung Electronics Co., LTD.	Pending
1842	1-2013-00416	VN	Samsung Electronics Co., LTD.	Pending

1843	2015/02806	ZA	Samsung Electronics Co., LTD.	Pending
1844	2015/02807	ZA	Samsung Electronics Co., LTD.	Pending
1845	2015/02809	ZA	Samsung Electronics Co., LTD.	Pending
1846	2015/02810	ZA	Samsung Electronics Co., LTD.	Pending
1847	1120130005599	BR	Samsung Electronics Co., LTD.	Pending
1848	BR1220150138710	BR	Samsung Electronics Co., LTD.	Pending
1849	BR1220150138892	BR	Samsung Electronics Co., LTD.	Pending
1850	BR1220150138876	BR	Samsung Electronics Co., LTD.	Pending
1851	BR1220150138850	BR	Samsung Electronics Co., LTD.	Pending
1852	201180043465	CN	Samsung Electronics Co., LTD.	Pending
1853	201510195306	CN	Samsung Electronics Co., LTD.	Pending
1854	201510293875.X	CN	Samsung Electronics Co., LTD.	Pending
1855	201510292289	CN	Samsung Electronics Co., LTD.	Pending
1856	201510292537	CN	Samsung Electronics Co., LTD.	Pending
1857	11803836	EP	Samsung Electronics Co., LTD.	Pending
1858	15167257	EP	Samsung Electronics Co., LTD.	Pending
1859	15167257	EP	Samsung Electronics Co., LTD.	Pending
1860	15167258	EP	Samsung Electronics Co., LTD.	Pending
1861	15167260	EP	Samsung Electronics Co., LTD.	Pending
1862	P-00201503934	ID	Samsung Electronics Co., LTD.	Pending
1863	P-00201503936	ID	Samsung Electronics Co., LTD.	Pending
1864	P-00201503940	ID	Samsung Electronics Co., LTD.	Pending
1865	P-002015034944	ID	Samsung Electronics Co., LTD.	Pending
1866	2013-519576	JP	Samsung Electronics Co., LTD.	Pending
1867	KR 1456499	KR	Samsung Electronics Co., LTD.	Granted
1868	KR 1507811	KR	Samsung Electronics Co., LTD.	Granted
1869	PI2013000070	MY	Samsung Electronics Co., LTD.	Pending
1870	PI 2015000285	MY	Samsung Electronics Co., LTD.	Pending
1871	PI 2015000284	MY	Samsung Electronics Co., LTD.	Pending
1872	PI 2015000283	MY	Samsung Electronics Co., LTD.	Pending
1873	PI 2015000282	MY	Samsung Electronics Co., LTD.	Pending
1874	1-2013-500059	PH	Samsung Electronics Co., LTD.	Pending
1875	1-2015-500254	PH	Samsung Electronics Co., LTD.	Pending

1876	1-2005-500256	PH	Samsung Electronics Co., LTD.	Pending
1877	1-2015-500255	PH	Samsung Electronics Co., LTD.	Pending
1878	1-2015-500257	PH	Samsung Electronics Co., LTD.	Pending
1879	SG 186978	SG	Samsung Electronics Co., LTD.	Granted
1880	SG 195593	SG	Samsung Electronics Co., LTD.	Granted
1881	10201503795R	SG	Samsung Electronics Co., LTD.	Pending
1882	10201503796P	SG	Samsung Electronics Co., LTD.	Pending
1883	10201503797Q	SG	Samsung Electronics Co., LTD.	Pending
1884	10201503798S	SG	Samsung Electronics Co., LTD.	Pending
1885	US14/615165	US	Samsung Electronics Co., LTD.	Pending
1886	US14/615194	US	Samsung Electronics Co., LTD.	Pending
1887	US14/615219	US	Samsung Electronics Co., LTD.	Pending
1888	1-2015-01708	VN	Samsung Electronics Co., LTD.	Pending
1889	1-2015-01709	VN	Samsung Electronics Co., LTD.	Pending
1890	1-2015-01710	VN	Samsung Electronics Co., LTD.	Pending
1891	1-2015-01711	VN	Samsung Electronics Co., LTD.	Pending
1892	AU 2011274722	AU	Samsung Electronics Co., LTD.	Granted
1893	2015201569	AU	Samsung Electronics Co., LTD.	Pending
1894	2015201608	AU	Samsung Electronics Co., LTD.	Pending
1895	2015201606	AU	Samsung Electronics Co., LTD.	Pending
1896	2015201607	AU	Samsung Electronics Co., LTD.	Pending
1897	1120130005556	BR	Samsung Electronics Co., LTD.	Pending
1898	2804780	CA	Samsung Electronics Co., LTD.	Pending
1899	2886721	CA	Samsung Electronics Co., LTD.	Pending
1900	2886960	CA	Samsung Electronics Co., LTD.	Pending
1901	2886964	CA	Samsung Electronics Co., LTD.	Pending
1902	201180043660	CN	Samsung Electronics Co., LTD.	Pending
1903	201510206249	CN	Samsung Electronics Co., LTD.	Pending
1904	201510204803	CN	Samsung Electronics Co., LTD.	Pending
1905	201510204900	CN	Samsung Electronics Co., LTD.	Pending
1906	201510203207	CN	Samsung Electronics Co., LTD.	Pending
1907	201510204652	CN	Samsung Electronics Co., LTD.	Pending
1908	11803807	EP	Samsung Electronics Co., LTD.	Pending

1909	14193557	EP	Samsung Electronics Co., LTD.	Pending
1910	15154330	EP	Samsung Electronics Co., LTD.	Pending
1911	15166149	EP	Samsung Electronics Co., LTD.	Pending
1912	15166150	EP	Samsung Electronics Co., LTD.	Pending
1913	W-00201300539	ID	Samsung Electronics Co., LTD.	Pending
1914	P-00201503420	ID	Samsung Electronics Co., LTD.	Pending
1915	P-00201503421	ID	Samsung Electronics Co., LTD.	Pending
1916	P-00201503424	ID	Samsung Electronics Co., LTD.	Pending
1917	P-00201503426	ID	Samsung Electronics Co., LTD.	Pending
1918	909/CHENP/2013	IN	Samsung Electronics Co., LTD.	Pending
1919	2253/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1920	2254/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1921	2262/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1922	2263/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1923	2264/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
1924	JP 5738991	JP	Samsung Electronics Co., LTD.	Granted
1925	KR 1524643	KR	Samsung Electronics Co., LTD.	Granted
1926	P20140097624	KR	Samsung Electronics Co., LTD.	Pending
1927	MX 313959	MX	Samsung Electronics Co., LTD.	Granted
1928	MY-156223-A	MY	Samsung Electronics Co., LTD.	Granted
1929	PI2014003581	MY	Samsung Electronics Co., LTD.	Pending
1930	PI2015000881	MY	Samsung Electronics Co., LTD.	Pending
1931	PI2015000880	MY	Samsung Electronics Co., LTD.	Pending
1932	PI2015000879	MY	Samsung Electronics Co., LTD.	Pending
1933	1-2013-500058	PH	Samsung Electronics Co., LTD.	Pending
1934	1-2015-500916	PH	Samsung Electronics Co., LTD.	Pending
1935	1-2015-500918	PH	Samsung Electronics Co., LTD.	Pending
1936	1-2015-500919	PH	Samsung Electronics Co., LTD.	Pending
1937	1-2015-500917	PH	Samsung Electronics Co., LTD.	Pending
1938	2013105501	RU	Samsung Electronics Co., LTD.	Pending
1939	RU 2577182	RU	Samsung Electronics Co., LTD.	Granted
1940	SG 186970	SG	Samsung Electronics Co., LTD.	Granted
1941	SG 196797	SG	Samsung Electronics Co., LTD.	Granted

1942	SG 10201503379S	SG	Samsung Electronics Co., LTD.	Granted
1943	SG 10201503381W	SG	Samsung Electronics Co., LTD.	Granted
1944	SG 10201503383P	SG	Samsung Electronics Co., LTD.	Granted
1945	1301000134	TH	Samsung Electronics Co., LTD.	Pending
1946	US8885727	US	Samsung Electronics Co., LTD.	Granted
1947	US14/299896	US	Samsung Electronics Co., LTD.	Pending
1948	US14/299942	US	Samsung Electronics Co., LTD.	Pending
1949	US14/299801	US	Samsung Electronics Co., LTD.	Pending
1950	US14/299863	US	Samsung Electronics Co., LTD.	Pending
1951	US14/299897	US	Samsung Electronics Co., LTD.	Pending
1952	1-2013-00423	VN	Samsung Electronics Co., LTD.	Pending
1953	1-2015-01507	VN	Samsung Electronics Co., LTD.	Pending
1954	1-2015-01508	VN	Samsung Electronics Co., LTD.	Pending
1955	1-2015-01509	VN	Samsung Electronics Co., LTD.	Pending
1956	1-2015-01510	VN	Samsung Electronics Co., LTD.	Pending
1957	2015/02591	ZA	Samsung Electronics Co., LTD.	Pending
1958	2015/02592	ZA	Samsung Electronics Co., LTD.	Pending
1959	2015/02593	ZA	Samsung Electronics Co., LTD.	Pending
1960	2015/02594	ZA	Samsung Electronics Co., LTD.	Pending
1961	P20160094148	KR	Samsung Electronics Co., LTD.	Pending
1962	LI 2665267	LI	Samsung Electronics Co., LTD.	Granted
1963	LI 2804383	LI	Samsung Electronics Co., LTD.	Granted
1964	LT 2665267	LT	Samsung Electronics Co., LTD.	Granted
1965	LT 2804383	LT	Samsung Electronics Co., LTD.	Granted
1966	LU 2665267	LU	Samsung Electronics Co., LTD.	Granted
1967	LU 2804383	LU	Samsung Electronics Co., LTD.	Granted
1968	LV 2665267	LV	Samsung Electronics Co., LTD.	Granted
1969	LV 2804383	LV	Samsung Electronics Co., LTD.	Granted
1970	MC 2665267	MC	Samsung Electronics Co., LTD.	Granted
1971	MC 2804383	MC	Samsung Electronics Co., LTD.	Granted
1972	MK 2665267	MK	Samsung Electronics Co., LTD.	Granted
1973	MK 2804383	MK	Samsung Electronics Co., LTD.	Granted
1974	MT 2665267	MT	Samsung Electronics Co., LTD.	Granted

1975	MT 2804383	MT	Samsung Electronics Co., LTD.	Granted
1976	MX 320213	MX	Samsung Electronics Co., LTD.	Granted
1977	MX 320209	MX	Samsung Electronics Co., LTD.	Granted
1978	MX 322645	MX	Samsung Electronics Co., LTD.	Granted
1979	MX 320205	MX	Samsung Electronics Co., LTD.	Granted
1980	PI2012000237	MY	Samsung Electronics Co., LTD.	Pending
1981	MY-155175-A	MY	Samsung Electronics Co., LTD.	Granted
1982	MY-155121-A	MY	Samsung Electronics Co., LTD.	Granted
1983	MY-154147-A	MY	Samsung Electronics Co., LTD.	Granted
1984	PI 2015000361	MY	Samsung Electronics Co., LTD.	Pending
1985	PI2015001521	MY	Samsung Electronics Co., LTD.	Pending
1986	NL 2665267	NL	Samsung Electronics Co., LTD.	Granted
1987	NL 2804383	NL	Samsung Electronics Co., LTD.	Granted
1988	NO 2665267	NO	Samsung Electronics Co., LTD.	Granted
1989	NO 2804383	NO	Samsung Electronics Co., LTD.	Granted
1990	PL 2665267	PL	Samsung Electronics Co., LTD.	Granted
1991	PL 2804383	PL	Samsung Electronics Co., LTD.	Granted
1992	PT 2665267	PT	Samsung Electronics Co., LTD.	Granted
1993	PT 2804383	PT	Samsung Electronics Co., LTD.	Granted
1994	RO 2665267	RO	Samsung Electronics Co., LTD.	Granted
1995	RO 2804383	RO	Samsung Electronics Co., LTD.	Granted
1996	RU 2519280	RU	Samsung Electronics Co., LTD.	Granted
1997	SE 2665267	SE	Samsung Electronics Co., LTD.	Granted
1998	SE 2804383	SE	Samsung Electronics Co., LTD.	Granted
1999	SI 2665267	SI	Samsung Electronics Co., LTD.	Granted
2000	SI 2804383	SI	Samsung Electronics Co., LTD.	Granted
2001	SK 2665267	SK	Samsung Electronics Co., LTD.	Granted
2002	SK 2804383	SK	Samsung Electronics Co., LTD.	Granted
2003	SM 2665267	SM	Samsung Electronics Co., LTD.	Granted
2004	SM 2804383	SM	Samsung Electronics Co., LTD.	Granted
2005	TR 2665267	TR	Samsung Electronics Co., LTD.	Granted
2006	TR 2804383	TR	Samsung Electronics Co., LTD.	Granted
2007	TW I430668	TW	Samsung Electronics Co., LTD.	Granted

2008	TW I429291	TW	Samsung Electronics Co., LTD.	Granted
2009	TW I426784	TW	Samsung Electronics Co., LTD.	Granted
2010	TW I462594	TW	Samsung Electronics Co., LTD.	Granted
2011	TW I474722	TW	Samsung Electronics Co., LTD.	Granted
2012	TW I475889	TW	Samsung Electronics Co., LTD.	Granted
2013	I04102055	TW	Samsung Electronics Co., LTD.	Pending
2014	US13/764119	US	Samsung Electronics Co., LTD.	Pending
2015	US 8953682	US	Samsung Electronics Co., LTD.	Granted
2016	US 8842734	US	Samsung Electronics Co., LTD.	Granted
2017	US 9307238	US	Samsung Electronics Co., LTD.	Granted
2018	US14/300047	US	Samsung Electronics Co., LTD.	Pending
2019	US 9313490	US	Samsung Electronics Co., LTD.	Granted
2020	1-2013-00802	VN	Samsung Electronics Co., LTD.	Pending
2021	1-2013-00801	VN	Samsung Electronics Co., LTD.	Pending
2022	1-2015-00300	VN	Samsung Electronics Co., LTD.	Pending
2023	1-2015-00299	VN	Samsung Electronics Co., LTD.	Pending
2024	1-2015-02717	VN	Samsung Electronics Co., LTD.	Pending
2025	ZA 2013/03523	ZA	Samsung Electronics Co., LTD.	Granted
2026	ZA 2013/03522	ZA	Samsung Electronics Co., LTD.	Granted
2027	ZA 2014/03018	ZA	Samsung Electronics Co., LTD.	Granted
2028	ZA 2014/03019	ZA	Samsung Electronics Co., LTD.	Granted
2029	ZA 2014/03020	ZA	Samsung Electronics Co., LTD.	Granted
2030	AU 2010283121	AU	Samsung Electronics Co., LTD.	Granted
2031	AU 2013201857	AU	Samsung Electronics Co., LTD.	Granted
2032	AU 2013201858	AU	Samsung Electronics Co., LTD.	Granted
2033	AU 2013201859	AU	Samsung Electronics Co., LTD.	Granted
2034	BR112012001514	BR	Samsung Electronics Co., LTD.	Pending
2035	1220130190163	BR	Samsung Electronics Co., LTD.	Pending
2036	1220130190171	BR	Samsung Electronics Co., LTD.	Pending
2037	1220130190180	BR	Samsung Electronics Co., LTD.	Pending
2038	2768182	CA	Samsung Electronics Co., LTD.	Pending
2039	2820905	CA	Samsung Electronics Co., LTD.	Pending
2040	CA 2820553	CA	Samsung Electronics Co., LTD.	Granted

2041	2877202	CA	Samsung Electronics Co., LTD.	Pending
2042	CN ZL201080036026.1	CN	Samsung Electronics Co., LTD.	Granted
2043	201310132005.5	CN	Samsung Electronics Co., LTD.	Pending
2044	201310130439.1	CN	Samsung Electronics Co., LTD.	Pending
2045	201310131990.8	CN	Samsung Electronics Co., LTD.	Pending
2046	201510002248.6	CN	Samsung Electronics Co., LTD.	Pending
2047	201510001768.5	CN	Samsung Electronics Co., LTD.	Pending
2048	10808396.5	EP	Samsung Electronics Co., LTD.	Pending
2049	13185336.8	EP	Samsung Electronics Co., LTD.	Pending
2050	13185337.6	EP	Samsung Electronics Co., LTD.	Pending
2051	13185335.0	EP	Samsung Electronics Co., LTD.	Pending
2052	15168128.5	EP	Samsung Electronics Co., LTD.	Pending
2053	ID W00201200067	ID	Samsung Electronics Co., LTD.	Granted
2054	ID W-00201302753	ID	Samsung Electronics Co., LTD.	Granted
2055	W-00201302752	ID	Samsung Electronics Co., LTD.	Pending
2056	W-00201302751	ID	Samsung Electronics Co., LTD.	Pending
2057	529/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2058	664/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2059	666/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2060	667/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2061	1291/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2062	1292/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2063	JP 5756106	JP	Samsung Electronics Co., LTD.	Granted
2064	JP 5624178	JP	Samsung Electronics Co., LTD.	Granted
2065	JP 5571827	JP	Samsung Electronics Co., LTD.	Granted
2066	JP 5624179	JP	Samsung Electronics Co., LTD.	Granted
2067	KR 1452859	KR	Samsung Electronics Co., LTD.	Granted
2068	KR 1454664	KR	Samsung Electronics Co., LTD.	Granted
2069	KR 1477545	KR	Samsung Electronics Co., LTD.	Granted
2070	KR 1477546	KR	Samsung Electronics Co., LTD.	Granted
2071	P20160022010	KR	Samsung Electronics Co., LTD.	Pending
2072	MX 319251	MX	Samsung Electronics Co., LTD.	Granted
2073	MX 318519	MX	Samsung Electronics Co., LTD.	Granted

2074	MX 323298	MX	Samsung Electronics Co., LTD.	Granted
2075	MX 328193	MX	Samsung Electronics Co., LTD.	Granted
2076	MX 327687	MX	Samsung Electronics Co., LTD.	Granted
2077	PI2012000197	MY	Samsung Electronics Co., LTD.	Pending
2078	MY-154795-A	MY	Samsung Electronics Co., LTD.	Granted
2079	MY 155891-A	MY	Samsung Electronics Co., LTD.	Granted
2080	PI2013003328	MY	Samsung Electronics Co., LTD.	Pending
2081	RU 2559740	RU	Samsung Electronics Co., LTD.	Granted
2082	RU 2559738	RU	Samsung Electronics Co., LTD.	Granted
2083	2015120773	RU	Samsung Electronics Co., LTD.	Pending
2084	2015120764	RU	Samsung Electronics Co., LTD.	Pending
2085	TW I413417	TW	Samsung Electronics Co., LTD.	Granted
2086	TW I424749	TW	Samsung Electronics Co., LTD.	Granted
2087	TW I432033	TW	Samsung Electronics Co., LTD.	Granted
2088	102129568	TW	Samsung Electronics Co., LTD.	Pending
2089	TW I468019	TW	Samsung Electronics Co., LTD.	Granted
2090	TW I462593	TW	Samsung Electronics Co., LTD.	Granted
2091	US 8792558	US	Samsung Electronics Co., LTD.	Granted
2092	US 8787463	US	Samsung Electronics Co., LTD.	Granted
2093	US 8811488	US	Samsung Electronics Co., LTD.	Granted
2094	US14/341493	US	Samsung Electronics Co., LTD.	Pending
2095	1-2013-00832	VN	Samsung Electronics Co., LTD.	Pending
2096	1-2013-00833	VN	Samsung Electronics Co., LTD.	Pending
2097	1-2013-00835	VN	Samsung Electronics Co., LTD.	Pending
2098	1-2015-01764	VN	Samsung Electronics Co., LTD.	Pending
2099	ZA 2012/01158	ZA	Samsung Electronics Co., LTD.	Granted
2100	ZA 2013/04975	ZA	Samsung Electronics Co., LTD.	Granted
2101	ZA 2013/04976	ZA	Samsung Electronics Co., LTD.	Granted
2102	ZA 2013/04977	ZA	Samsung Electronics Co., LTD.	Granted
2103	2015/03389	ZA	Samsung Electronics Co., LTD.	Pending
2104	AU 2010285491	AU	Samsung Electronics Co., LTD.	Granted
2105	AU 2013201719	AU	Samsung Electronics Co., LTD.	Granted
2106	AU 2013201715	AU	Samsung Electronics Co., LTD.	Granted

2107	2014200535	AU	Samsung Electronics Co., LTD.	Pending
2108	AU 2014200537	AU	Samsung Electronics Co., LTD.	Granted
2109	2015202670	AU	Samsung Electronics Co., LTD.	Pending
2110	BR1120120034308	BR	Samsung Electronics Co., LTD.	Pending
2111	1220130201840	BR	Samsung Electronics Co., LTD.	Pending
2112	1220130201858	BR	Samsung Electronics Co., LTD.	Pending
2113	CA 2823808	CA	Samsung Electronics Co., LTD.	Granted
2114	2857365	CA	Samsung Electronics Co., LTD.	Pending
2115	2857370	CA	Samsung Electronics Co., LTD.	Pending
2116	2857392	CA	Samsung Electronics Co., LTD.	Pending
2117	CN 201080036789.6	CN	Samsung Electronics Co., LTD.	Granted
2118	CN ZL201310096270.2	CN	Samsung Electronics Co., LTD.	Granted
2119	CN ZL201310096284.4	CN	Samsung Electronics Co., LTD.	Granted
2120	201510075767.5	CN	Samsung Electronics Co., LTD.	Pending
2121	201510075249.3	CN	Samsung Electronics Co., LTD.	Pending
2122	201510075768.X	CN	Samsung Electronics Co., LTD.	Pending
2123	10810146.0	EP	Samsung Electronics Co., LTD.	Pending
2124	13185319.4	EP	Samsung Electronics Co., LTD.	Pending
2125	13185327.7	EP	Samsung Electronics Co., LTD.	Pending
2126	15168609.4	EP	Samsung Electronics Co., LTD.	Pending
2127	15168611.0	EP	Samsung Electronics Co., LTD.	Pending
2128	ID W-00201200066	ID	Samsung Electronics Co., LTD.	Granted
2129	ID P000039760	ID	Samsung Electronics Co., LTD.	Granted
2130	W-00201302942	ID	Samsung Electronics Co., LTD.	Pending
2131	604/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2132	634/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2133	633/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2134	1293/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2135	1295/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2136	1296/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2137	JP 5770185	JP	Samsung Electronics Co., LTD.	Granted
2138	2013-211775	JP	Samsung Electronics Co., LTD.	Pending
2139	2013-211776	JP	Samsung Electronics Co., LTD.	Pending

2140	2014-99018	JP	Samsung Electronics Co., LTD.	Pending
2141	2014-99019	JP	Samsung Electronics Co., LTD.	Pending
2142	2014-99020	JP	Samsung Electronics Co., LTD.	Pending
2143	2016-137202	JP	Samsung Electronics Co., LTD.	Pending
2144	2016-137203	JP	Samsung Electronics Co., LTD.	Pending
2145	KR 1452860	KR	Samsung Electronics Co., LTD.	Granted
2146	P20150052466	KR	Samsung Electronics Co., LTD.	Pending
2147	MX 319249	MX	Samsung Electronics Co., LTD.	Granted
2148	MX 323386	MX	Samsung Electronics Co., LTD.	Granted
2149	MX 323390	MX	Samsung Electronics Co., LTD.	Granted
2150	MX 323387	MX	Samsung Electronics Co., LTD.	Granted
2151	MX 323391	MX	Samsung Electronics Co., LTD.	Granted
2152	PI2012000238	MY	Samsung Electronics Co., LTD.	Pending
2153	MY 155173-A	MY	Samsung Electronics Co., LTD.	Granted
2154	PI2013003309	MY	Samsung Electronics Co., LTD.	Pending
2155	PI2015001391	MY	Samsung Electronics Co., LTD.	Pending
2156	PI2015001392	MY	Samsung Electronics Co., LTD.	Pending
2157	RU 2513708	RU	Samsung Electronics Co., LTD.	Granted
2158	RU 2514927	RU	Samsung Electronics Co., LTD.	Granted
2159	2014100169	RU	Samsung Electronics Co., LTD.	Pending
2160	2014100181	RU	Samsung Electronics Co., LTD.	Pending
2161	2014100179	RU	Samsung Electronics Co., LTD.	Pending
2162	2014100177	RU	Samsung Electronics Co., LTD.	Pending
2163	US 9313502	US	Samsung Electronics Co., LTD.	Granted
2164	US12/857682	US	Samsung Electronics Co., LTD.	Pending
2165	US 9277224	US	Samsung Electronics Co., LTD.	Granted
2166	US 9319686	US	Samsung Electronics Co., LTD.	Granted
2167	US14/056551	US	Samsung Electronics Co., LTD.	Pending
2168	US 9313503	US	Samsung Electronics Co., LTD.	Granted
2169	US14/056605	US	Samsung Electronics Co., LTD.	Pending
2170	US 9369715	US	Samsung Electronics Co., LTD.	Granted
2171	US14/299226	US	Samsung Electronics Co., LTD.	Pending
2172	VN 1-2012-00416	VN	Samsung Electronics Co., LTD.	Granted

2173	1-2013-00836	VN	Samsung Electronics Co., LTD.	Pending
2174	1-2013-00834	VN	Samsung Electronics Co., LTD.	Pending
2175	1-2015-01875	VN	Samsung Electronics Co., LTD.	Pending
2176	1-2015-01876	VN	Samsung Electronics Co., LTD.	Pending
2177	ZA 2012/01156	ZA	Samsung Electronics Co., LTD.	Granted
2178	ZA 2013/04971	ZA	Samsung Electronics Co., LTD.	Granted
2179	ZA 2013/04972	ZA	Samsung Electronics Co., LTD.	Granted
2180	2015/03434	ZA	Samsung Electronics Co., LTD.	Pending
2181	2015/03355	ZA	Samsung Electronics Co., LTD.	Pending
2182	2640076	AT	Samsung Electronics Co., LTD.	Granted
2183	AT 2712198	AT	Samsung Electronics Co., LTD.	Granted
2184	AT 2713617	AT	Samsung Electronics Co., LTD.	Granted
2185	AT 2713618	AT	Samsung Electronics Co., LTD.	Granted
2186	AT 2712200	AT	Samsung Electronics Co., LTD.	Granted
2187	2640076	BE	Samsung Electronics Co., LTD.	Granted
2188	BE 2712198	BE	Samsung Electronics Co., LTD.	Granted
2189	BE 2713617	BE	Samsung Electronics Co., LTD.	Granted
2190	BE 2713618	BE	Samsung Electronics Co., LTD.	Granted
2191	BE 2712200	BE	Samsung Electronics Co., LTD.	Granted
2192	2640076	BG	Samsung Electronics Co., LTD.	Granted
2193	BG 2712198	BG	Samsung Electronics Co., LTD.	Granted
2194	BG 2713617	BG	Samsung Electronics Co., LTD.	Granted
2195	BG 2713618	BG	Samsung Electronics Co., LTD.	Granted
2196	BG 2712200	BG	Samsung Electronics Co., LTD.	Granted
2197	2640076	CH	Samsung Electronics Co., LTD.	Granted
2198	CH 2712198	CH	Samsung Electronics Co., LTD.	Granted
2199	CH 2713617	CH	Samsung Electronics Co., LTD.	Granted
2200	CH 2713618	CH	Samsung Electronics Co., LTD.	Granted
2201	CH 2712200	CH	Samsung Electronics Co., LTD.	Granted
2202	201310093716.6	CN	Samsung Electronics Co., LTD.	Pending
2203	201410203258.1	CN	Samsung Electronics Co., LTD.	Pending
2204	201410202315.4	CN	Samsung Electronics Co., LTD.	Pending
2205	201410204121.8	CN	Samsung Electronics Co., LTD.	Pending

2206	201410203566.4	CN	Samsung Electronics Co., LTD.	Pending
2207	201410203600.8	CN	Samsung Electronics Co., LTD.	Pending
2208	2640076	CY	Samsung Electronics Co., LTD.	Granted
2209	CY 2712198	CY	Samsung Electronics Co., LTD.	Granted
2210	CY 2713617	CY	Samsung Electronics Co., LTD.	Granted
2211	CY 2713618	CY	Samsung Electronics Co., LTD.	Granted
2212	CY 2712200	CY	Samsung Electronics Co., LTD.	Granted
2213	2640076	CZ	Samsung Electronics Co., LTD.	Granted
2214	CZ 2712198	CZ	Samsung Electronics Co., LTD.	Granted
2215	CZ 2713617	CZ	Samsung Electronics Co., LTD.	Granted
2216	CZ 2713618	CZ	Samsung Electronics Co., LTD.	Granted
2217	CZ 2712200	CZ	Samsung Electronics Co., LTD.	Granted
2218	2640076	DE	Samsung Electronics Co., LTD.	Granted
2219	DE 2712198	DE	Samsung Electronics Co., LTD.	Granted
2220	DE 60 2009 033 875.7	DE	Samsung Electronics Co., LTD.	Granted
2221	DE 2713618	DE	Samsung Electronics Co., LTD.	Granted
2222	DE 60 2009 030 123.3	DE	Samsung Electronics Co., LTD.	Granted
2223	2640076	DK	Samsung Electronics Co., LTD.	Granted
2224	DK 2712198	DK	Samsung Electronics Co., LTD.	Granted
2225	DK 2713617	DK	Samsung Electronics Co., LTD.	Granted
2226	DK 2713618	DK	Samsung Electronics Co., LTD.	Granted
2227	DK 2712200	DK	Samsung Electronics Co., LTD.	Granted
2228	2640076	EE	Samsung Electronics Co., LTD.	Granted
2229	EE 2712198	EE	Samsung Electronics Co., LTD.	Granted
2230	EE 2713617	EE	Samsung Electronics Co., LTD.	Granted
2231	EE 2713618	EE	Samsung Electronics Co., LTD.	Granted
2232	EE 2712200	EE	Samsung Electronics Co., LTD.	Granted
2233	2640076	ES	Samsung Electronics Co., LTD.	Granted
2234	ES 2712198	ES	Samsung Electronics Co., LTD.	Granted
2235	ES 2713617	ES	Samsung Electronics Co., LTD.	Granted
2236	ES 2713618	ES	Samsung Electronics Co., LTD.	Granted
2237	ES 2533333	ES	Samsung Electronics Co., LTD.	Granted
2238	2640076	FI	Samsung Electronics Co., LTD.	Granted

2239	FI 2712198	FI	Samsung Electronics Co., LTD.	Granted
2240	FI 2713617	FI	Samsung Electronics Co., LTD.	Granted
2241	FI 2713618	FI	Samsung Electronics Co., LTD.	Granted
2242	FI 2712200	FI	Samsung Electronics Co., LTD.	Granted
2243	2640076	FR	Samsung Electronics Co., LTD.	Granted
2244	FR 2712198	FR	Samsung Electronics Co., LTD.	Granted
2245	FR 2713617	FR	Samsung Electronics Co., LTD.	Granted
2246	FR 2713618	FR	Samsung Electronics Co., LTD.	Granted
2247	FR 2712200	FR	Samsung Electronics Co., LTD.	Granted
2248	2640076	GB	Samsung Electronics Co., LTD.	Granted
2249	GB 2712198	GB	Samsung Electronics Co., LTD.	Granted
2250	GB 2713617	GB	Samsung Electronics Co., LTD.	Granted
2251	GB 2713618	GB	Samsung Electronics Co., LTD.	Granted
2252	GB 2712200	GB	Samsung Electronics Co., LTD.	Granted
2253	2640076	GR	Samsung Electronics Co., LTD.	Granted
2254	GR 2712198	GR	Samsung Electronics Co., LTD.	Granted
2255	GR 2713617	GR	Samsung Electronics Co., LTD.	Granted
2256	GR 2713618	GR	Samsung Electronics Co., LTD.	Granted
2257	GR 2712200	GR	Samsung Electronics Co., LTD.	Granted
2258	2640076	HR	Samsung Electronics Co., LTD.	Granted
2259	HR 2712198	HR	Samsung Electronics Co., LTD.	Granted
2260	HR 2713617	HR	Samsung Electronics Co., LTD.	Granted
2261	HR 2713618	HR	Samsung Electronics Co., LTD.	Granted
2262	HR 2712200	HR	Samsung Electronics Co., LTD.	Granted
2263	2640076	HU	Samsung Electronics Co., LTD.	Granted
2264	HU 2712198	HU	Samsung Electronics Co., LTD.	Granted
2265	HU 2713617	HU	Samsung Electronics Co., LTD.	Granted
2266	HU 2713618	HU	Samsung Electronics Co., LTD.	Granted
2267	HU 2712200	HU	Samsung Electronics Co., LTD.	Granted
2268	2640076	IE	Samsung Electronics Co., LTD.	Granted
2269	IE 2712198	IE	Samsung Electronics Co., LTD.	Granted
2270	IE 2713617	IE	Samsung Electronics Co., LTD.	Granted
2271	IE 2713618	IE	Samsung Electronics Co., LTD.	Granted

2272	IE 2712200	IE	Samsung Electronics Co., LTD.	Granted
2273	2640076	IS	Samsung Electronics Co., LTD.	Granted
2274	IS 2712198	IS	Samsung Electronics Co., LTD.	Granted
2275	IS 2713617	IS	Samsung Electronics Co., LTD.	Granted
2276	IS 2713618	IS	Samsung Electronics Co., LTD.	Granted
2277	IS 2712200	IS	Samsung Electronics Co., LTD.	Granted
2278	2640076	IT	Samsung Electronics Co., LTD.	Granted
2279	IT 2712198	IT	Samsung Electronics Co., LTD.	Granted
2280	IT 2713617	IT	Samsung Electronics Co., LTD.	Granted
2281	IT 2713618	IT	Samsung Electronics Co., LTD.	Granted
2282	IT 2712200	IT	Samsung Electronics Co., LTD.	Granted
2283	KR 1464538	KR	Samsung Electronics Co., LTD.	Granted
2284	P20150086152	KR	Samsung Electronics Co., LTD.	Pending
2285	2640076	LI	Samsung Electronics Co., LTD.	Granted
2286	LI 2712198	LI	Samsung Electronics Co., LTD.	Granted
2287	LI 2713617	LI	Samsung Electronics Co., LTD.	Granted
2288	LI 2713618	LI	Samsung Electronics Co., LTD.	Granted
2289	LI 2712200	LI	Samsung Electronics Co., LTD.	Granted
2290	2640076	LT	Samsung Electronics Co., LTD.	Granted
2291	LT 2712198	LT	Samsung Electronics Co., LTD.	Granted
2292	LT 2713617	LT	Samsung Electronics Co., LTD.	Granted
2293	LT 2713618	LT	Samsung Electronics Co., LTD.	Granted
2294	LT 2712200	LT	Samsung Electronics Co., LTD.	Granted
2295	2640076	LU	Samsung Electronics Co., LTD.	Granted
2296	LU 2712198	LU	Samsung Electronics Co., LTD.	Granted
2297	LU 2713617	LU	Samsung Electronics Co., LTD.	Granted
2298	LU 2713618	LU	Samsung Electronics Co., LTD.	Granted
2299	LU 2712200	LU	Samsung Electronics Co., LTD.	Granted
2300	2640076	LV	Samsung Electronics Co., LTD.	Granted
2301	LV 2712198	LV	Samsung Electronics Co., LTD.	Granted
2302	LV 2713617	LV	Samsung Electronics Co., LTD.	Granted
2303	LV 2713618	LV	Samsung Electronics Co., LTD.	Granted
2304	LV 2712200	LV	Samsung Electronics Co., LTD.	Granted

2305	2640076	MC	Samsung Electronics Co., LTD.	Granted
2306	MC 2712198	MC	Samsung Electronics Co., LTD.	Granted
2307	MC 2713617	MC	Samsung Electronics Co., LTD.	Granted
2308	MC 2713618	MC	Samsung Electronics Co., LTD.	Granted
2309	MC 2712200	MC	Samsung Electronics Co., LTD.	Granted
2310	2640076	MK	Samsung Electronics Co., LTD.	Granted
2311	MK 2712198	MK	Samsung Electronics Co., LTD.	Granted
2312	MK 2713617	MK	Samsung Electronics Co., LTD.	Granted
2313	MK 2713618	MK	Samsung Electronics Co., LTD.	Granted
2314	MK 2712200	MK	Samsung Electronics Co., LTD.	Granted
2315	2640076	MT	Samsung Electronics Co., LTD.	Granted
2316	MT 2712198	MT	Samsung Electronics Co., LTD.	Granted
2317	MT 2713617	MT	Samsung Electronics Co., LTD.	Granted
2318	MT 2713618	MT	Samsung Electronics Co., LTD.	Granted
2319	MT 2712200	MT	Samsung Electronics Co., LTD.	Granted
2320	2640076	NL	Samsung Electronics Co., LTD.	Granted
2321	NL 2712198	NL	Samsung Electronics Co., LTD.	Granted
2322	NL 2713617	NL	Samsung Electronics Co., LTD.	Granted
2323	NL 2713618	NL	Samsung Electronics Co., LTD.	Granted
2324	NL 2712200	NL	Samsung Electronics Co., LTD.	Granted
2325	2640076	NO	Samsung Electronics Co., LTD.	Granted
2326	NO 2712198	NO	Samsung Electronics Co., LTD.	Granted
2327	NO 2713617	NO	Samsung Electronics Co., LTD.	Granted
2328	NO 2713618	NO	Samsung Electronics Co., LTD.	Granted
2329	NO 2712200	NO	Samsung Electronics Co., LTD.	Granted
2330	2640076	PL	Samsung Electronics Co., LTD.	Granted
2331	PL 2712198	PL	Samsung Electronics Co., LTD.	Granted
2332	PL 2713617	PL	Samsung Electronics Co., LTD.	Granted
2333	PL 2713618	PL	Samsung Electronics Co., LTD.	Granted
2334	PL 2712200	PL	Samsung Electronics Co., LTD.	Granted
2335	2640076	PT	Samsung Electronics Co., LTD.	Granted
2336	PT 2712198	PT	Samsung Electronics Co., LTD.	Granted
2337	PT 2713617	PT	Samsung Electronics Co., LTD.	Granted

2338	PT 2713618	PT	Samsung Electronics Co., LTD.	Granted
2339	PT 2712200	PT	Samsung Electronics Co., LTD.	Granted
2340	2640076	RO	Samsung Electronics Co., LTD.	Granted
2341	RO 2712198	RO	Samsung Electronics Co., LTD.	Granted
2342	RO 2713617	RO	Samsung Electronics Co., LTD.	Granted
2343	RO 2713618	RO	Samsung Electronics Co., LTD.	Granted
2344	RO 2712200	RO	Samsung Electronics Co., LTD.	Granted
2345	2640076	SE	Samsung Electronics Co., LTD.	Granted
2346	SE 2712198	SE	Samsung Electronics Co., LTD.	Granted
2347	SE 2713617	SE	Samsung Electronics Co., LTD.	Granted
2348	SE 2713618	SE	Samsung Electronics Co., LTD.	Granted
2349	SE 2712200	SE	Samsung Electronics Co., LTD.	Granted
2350	2640076	SI	Samsung Electronics Co., LTD.	Granted
2351	SI 2712198	SI	Samsung Electronics Co., LTD.	Granted
2352	SI 2713617	SI	Samsung Electronics Co., LTD.	Granted
2353	SI 2713618	SI	Samsung Electronics Co., LTD.	Granted
2354	SI 2712200	SI	Samsung Electronics Co., LTD.	Granted
2355	2640076	SK	Samsung Electronics Co., LTD.	Granted
2356	SK 2712198	SK	Samsung Electronics Co., LTD.	Granted
2357	SK 2713617	SK	Samsung Electronics Co., LTD.	Granted
2358	SK 2713618	SK	Samsung Electronics Co., LTD.	Granted
2359	SK 2712200	SK	Samsung Electronics Co., LTD.	Granted
2360	2640076	SM	Samsung Electronics Co., LTD.	Granted
2361	SM 2712198	SM	Samsung Electronics Co., LTD.	Granted
2362	SM 2713617	SM	Samsung Electronics Co., LTD.	Granted
2363	SM 2713618	SM	Samsung Electronics Co., LTD.	Granted
2364	SM 2712200	SM	Samsung Electronics Co., LTD.	Granted
2365	2640076	TR	Samsung Electronics Co., LTD.	Granted
2366	TR 2712198	TR	Samsung Electronics Co., LTD.	Granted
2367	TR 2713617	TR	Samsung Electronics Co., LTD.	Granted
2368	TR 2713618	TR	Samsung Electronics Co., LTD.	Granted
2369	TR 2712200	TR	Samsung Electronics Co., LTD.	Granted
2370	US13/002398	US	Samsung Electronics Co., LTD.	Pending

2371	US 8879626	US	Samsung Electronics Co., LTD.	Granted
2372	US 8824549	US	Samsung Electronics Co., LTD.	Granted
2373	US 8902979	US	Samsung Electronics Co., LTD.	Granted
2374	US 8837590	US	Samsung Electronics Co., LTD.	Granted
2375	US 9118913	US	Samsung Electronics Co., LTD.	Granted
2376	CN ZL201080034035.7	CN	Samsung Electronics Co., LTD.	Granted
2377	201410841178.9	CN	Samsung Electronics Co., LTD.	Pending
2378	201410840948.8	CN	Samsung Electronics Co., LTD.	Pending
2379	CN ZL201410843880.9	CN	Samsung Electronics Co., LTD.	Granted
2380	201410840826.9	CN	Samsung Electronics Co., LTD.	Pending
2381	201410841108.3	CN	Samsung Electronics Co., LTD.	Pending
2382	201410841773.2	CN	Samsung Electronics Co., LTD.	Pending
2383	10802493.6	EP	Samsung Electronics Co., LTD.	Pending
2384	15161952.5	EP	Samsung Electronics Co., LTD.	Pending
2385	15161956.6	EP	Samsung Electronics Co., LTD.	Pending
2386	15161957.4	EP	Samsung Electronics Co., LTD.	Pending
2387	15161960.8	EP	Samsung Electronics Co., LTD.	Pending
2388	KR 1483750	KR	Samsung Electronics Co., LTD.	Granted
2389	P20150006116	KR	Samsung Electronics Co., LTD.	Pending
2390	US8768081	US	Samsung Electronics Co., LTD.	Granted
2391	US 8885958	US	Samsung Electronics Co., LTD.	Granted
2392	US 9131231	US	Samsung Electronics Co., LTD.	Granted
2393	US 9137534	US	Samsung Electronics Co., LTD.	Granted
2394	US 9131232	US	Samsung Electronics Co., LTD.	Granted
2395	US14/802849	US	Samsung Electronics Co., LTD.	Pending
2396	BR1120120032453	BR	Samsung Electronics Co., LTD.	Pending
2397	BR1220150138868	BR	Samsung Electronics Co., LTD.	Pending
2398	BR1220150138884	BR	Samsung Electronics Co., LTD.	Pending
2399	BR1220150138930	BR	Samsung Electronics Co., LTD.	Pending
2400	BR1220150138817	BR	Samsung Electronics Co., LTD.	Pending
2401	2768691	CA	Samsung Electronics Co., LTD.	Pending
2402	2889729	CA	Samsung Electronics Co., LTD.	Pending
2403	2889737	CA	Samsung Electronics Co., LTD.	Pending

2404	10808398.1	EP	Samsung Electronics Co., LTD.	Pending
2405	15166147.7	EP	Samsung Electronics Co., LTD.	Pending
2406	15166148.5	EP	Samsung Electronics Co., LTD.	Pending
2407	530/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2408	1223/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2409	1224/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2410	1225/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2411	1226/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2412	2015-97948	JP	Samsung Electronics Co., LTD.	Pending
2413	P20160058783	KR	Samsung Electronics Co., LTD.	Pending
2414	P20160058785	KR	Samsung Electronics Co., LTD.	Pending
2415	2014105279	RU	Samsung Electronics Co., LTD.	Pending
2416	2014105280	RU	Samsung Electronics Co., LTD.	Pending
2417	2014105195	RU	Samsung Electronics Co., LTD.	Pending
2418	2014105194	RU	Samsung Electronics Co., LTD.	Pending
2419	2014105190	RU	Samsung Electronics Co., LTD.	Pending
2420	2014105189	RU	Samsung Electronics Co., LTD.	Pending
2421	US 9148665	US	Samsung Electronics Co., LTD.	Granted
2422	US14/177272	US	Samsung Electronics Co., LTD.	Pending
2423	US14/177267	US	Samsung Electronics Co., LTD.	Pending
2424	US14/177074	US	Samsung Electronics Co., LTD.	Pending
2425	US14/177280	US	Samsung Electronics Co., LTD.	Pending
2426	US14/177292	US	Samsung Electronics Co., LTD.	Pending
2427	US14/177286	US	Samsung Electronics Co., LTD.	Pending
2428	US14/719629	US	Samsung Electronics Co., LTD.	Pending
2429	US14/719872	US	Samsung Electronics Co., LTD.	Pending
2430	US14/719689	US	Samsung Electronics Co., LTD.	Pending
2431	US14/720001	US	Samsung Electronics Co., LTD.	Pending
2432	BR1120120022440	BR	Samsung Electronics Co., LTD.	Pending
2433	CA 2768693	CA	Samsung Electronics Co., LTD.	Granted
2434	CA 2857833	CA	Samsung Electronics Co., LTD.	Granted
2435	2894589	CA	Samsung Electronics Co., LTD.	Pending
2436	2896017	CA	Samsung Electronics Co., LTD.	Pending

2437	2896087	CA	Samsung Electronics Co., LTD.	Pending
2438	201510002361.4	CN	Samsung Electronics Co., LTD.	Pending
2439	201510170531.X	CN	Samsung Electronics Co., LTD.	Pending
2440	201510171193.1	CN	Samsung Electronics Co., LTD.	Pending
2441	201510169455.0	CN	Samsung Electronics Co., LTD.	Pending
2442	10808402.1	EP	Samsung Electronics Co., LTD.	Pending
2443	15168669.8	EP	Samsung Electronics Co., LTD.	Pending
2444	15168651.6	EP	Samsung Electronics Co., LTD.	Pending
2445	15168652.4	EP	Samsung Electronics Co., LTD.	Pending
2446	15168653.2	EP	Samsung Electronics Co., LTD.	Pending
2447	584/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2448	1237/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2449	1238//MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2450	1239//MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2451	1240//MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2452	1241//MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2453	JP 5746170	JP	Samsung Electronics Co., LTD.	Granted
2454	JP 5778367	JP	Samsung Electronics Co., LTD.	Granted
2455	JP 5778368	JP	Samsung Electronics Co., LTD.	Granted
2456	KR 1456498	KR	Samsung Electronics Co., LTD.	Granted
2457	P20150094926	KR	Samsung Electronics Co., LTD.	Pending
2458	MX 315662	MX	Samsung Electronics Co., LTD.	Granted
2459	MX 322910	MX	Samsung Electronics Co., LTD.	Granted
2460	MX 323151	MX	Samsung Electronics Co., LTD.	Granted
2461	MX 324108	MX	Samsung Electronics Co., LTD.	Granted
2462	MX 320435	MX	Samsung Electronics Co., LTD.	Granted
2463	RU 2526861	RU	Samsung Electronics Co., LTD.	Granted
2464	2013139143	RU	Samsung Electronics Co., LTD.	Pending
2465	2013139146	RU	Samsung Electronics Co., LTD.	Pending
2466	2014108445	RU	Samsung Electronics Co., LTD.	Pending
2467	2014108444	RU	Samsung Electronics Co., LTD.	Pending
2468	US 8824551	US	Samsung Electronics Co., LTD.	Granted
2469	US 8831097	US	Samsung Electronics Co., LTD.	Granted

2470	US 8831098	US	Samsung Electronics Co., LTD.	Granted
2471	US8817877	US	Samsung Electronics Co., LTD.	Granted
2472	US 8897363	US	Samsung Electronics Co., LTD.	Granted
2473	AU 2010285492	AU	Samsung Electronics Co., LTD.	Granted
2474	AU 2013202078	AU	Samsung Electronics Co., LTD.	Granted
2475	AU 2015202119	AU	Samsung Electronics Co., LTD.	Granted
2476	AU 2015202118	AU	Samsung Electronics Co., LTD.	Granted
2477	BR1120120016873	BR	Samsung Electronics Co., LTD.	Pending
2478	1220130197230	BR	Samsung Electronics Co., LTD.	Pending
2479	BR1220150217440	BR	Samsung Electronics Co., LTD.	Pending
2480	BR1220150217474	BR	Samsung Electronics Co., LTD.	Pending
2481	BR1220150217458	BR	Samsung Electronics Co., LTD.	Pending
2482	2768694	CA	Samsung Electronics Co., LTD.	Pending
2483	CA 2823885	CA	Samsung Electronics Co., LTD.	Granted
2484	2888489	CA	Samsung Electronics Co., LTD.	Pending
2485	2888490	CA	Samsung Electronics Co., LTD.	Pending
2486	2888495	CA	Samsung Electronics Co., LTD.	Pending
2487	CN ZL201080036788.1	CN	Samsung Electronics Co., LTD.	Granted
2488	201310088381.9	CN	Samsung Electronics Co., LTD.	Pending
2489	201510193955.8	CN	Samsung Electronics Co., LTD.	Pending
2490	201510193915.3	CN	Samsung Electronics Co., LTD.	Pending
2491	201510192248.7	CN	Samsung Electronics Co., LTD.	Pending
2492	201510193969.X	CN	Samsung Electronics Co., LTD.	Pending
2493	10810147.8	EP	Samsung Electronics Co., LTD.	Pending
2494	13185302.0	EP	Samsung Electronics Co., LTD.	Pending
2495	15163267.6	EP	Samsung Electronics Co., LTD.	Pending
2496	15163275.9	EP	Samsung Electronics Co., LTD.	Pending
2497	15163276.7	EP	Samsung Electronics Co., LTD.	Pending
2498	W-00201200065	ID	Samsung Electronics Co., LTD.	Pending
2499	ID P000039172	ID	Samsung Electronics Co., LTD.	Granted
2500	P-00201404015	ID	Samsung Electronics Co., LTD.	Pending
2501	P-00201404014	ID	Samsung Electronics Co., LTD.	Pending
2502	P-00201500383	ID	Samsung Electronics Co., LTD.	Pending

2503	P-00201500385	ID	Samsung Electronics Co., LTD.	Pending
2504	528/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2505	679/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2506	1078/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2507	1077/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2508	1076/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2509	JP 5650742	JP	Samsung Electronics Co., LTD.	Granted
2510	JP 5620554	JP	Samsung Electronics Co., LTD.	Granted
2511	KR 1510108	KR	Samsung Electronics Co., LTD.	Granted
2512	MX 320458	MX	Samsung Electronics Co., LTD.	Granted
2513	PI2012000404	MY	Samsung Electronics Co., LTD.	Pending
2514	PI 2014001381	MY	Samsung Electronics Co., LTD.	Pending
2515	PI2014001539	MY	Samsung Electronics Co., LTD.	Pending
2516	PI2014001541	MY	Samsung Electronics Co., LTD.	Pending
2517	PI2015000869	MY	Samsung Electronics Co., LTD.	Pending
2518	RU 2517193	RU	Samsung Electronics Co., LTD.	Granted
2519	RU 2517293	RU	Samsung Electronics Co., LTD.	Granted
2520	RU 2546619	RU	Samsung Electronics Co., LTD.	Granted
2521	2014122343	RU	Samsung Electronics Co., LTD.	Pending
2522	2015101791	RU	Samsung Electronics Co., LTD.	Pending
2523	2015101795	RU	Samsung Electronics Co., LTD.	Pending
2524	2015129684	RU	Samsung Electronics Co., LTD.	Pending
2525	US 8989266	US	Samsung Electronics Co., LTD.	Granted
2526	US8787458	US	Samsung Electronics Co., LTD.	Granted
2527	US 9036703	US	Samsung Electronics Co., LTD.	Granted
2528	US 9071839	US	Samsung Electronics Co., LTD.	Granted
2529	US 9049458	US	Samsung Electronics Co., LTD.	Granted
2530	1/2012/00127	VN	Samsung Electronics Co., LTD.	Pending
2531	1-2013-00749	VN	Samsung Electronics Co., LTD.	Pending
2532	1-2014-01750	VN	Samsung Electronics Co., LTD.	Pending
2533	1-2014-01749	VN	Samsung Electronics Co., LTD.	Pending
2534	1-2015-02521	VN	Samsung Electronics Co., LTD.	Pending
2535	ZA 2012/01153	ZA	Samsung Electronics Co., LTD.	Granted

2536	ZA 2013/04970	ZA	Samsung Electronics Co., LTD.	Granted
2537	ZA 2014/05219	ZA	Samsung Electronics Co., LTD.	Granted
2538	2014/05219	ZA	Samsung Electronics Co., LTD.	Pending
2539	ZA 2014/05220	ZA	Samsung Electronics Co., LTD.	Granted
2540	2014/05220	ZA	Samsung Electronics Co., LTD.	Pending
2541	2015/03353	ZA	Samsung Electronics Co., LTD.	Pending
2542	2015/03354	ZA	Samsung Electronics Co., LTD.	Pending
2543	AU 2010283113	AU	Samsung Electronics Co., LTD.	Granted
2544	AU 2013201911	AU	Samsung Electronics Co., LTD.	Granted
2545	AU 2013201883	AU	Samsung Electronics Co., LTD.	Granted
2546	BR1120120017578	BR	Samsung Electronics Co., LTD.	Pending
2547	1220130197249	BR	Samsung Electronics Co., LTD.	Pending
2548	1220130197257	BR	Samsung Electronics Co., LTD.	Pending
2549	CA 2768181	CA	Samsung Electronics Co., LTD.	Granted
2550	CA 2815893	CA	Samsung Electronics Co., LTD.	Granted
2551	CA 2815777	CA	Samsung Electronics Co., LTD.	Granted
2552	2877241	CA	Samsung Electronics Co., LTD.	Pending
2553	CA 2877255	CA	Samsung Electronics Co., LTD.	Granted
2554	CN ZL201080036020.4	CN	Samsung Electronics Co., LTD.	Granted
2555	201310092700.3	CN	Samsung Electronics Co., LTD.	Pending
2556	201310097476.7	CN	Samsung Electronics Co., LTD.	Pending
2557	CN ZL201510005662.2	CN	Samsung Electronics Co., LTD.	Granted
2558	201510006252.X	CN	Samsung Electronics Co., LTD.	Pending
2559	CN ZL201510005604.X	CN	Samsung Electronics Co., LTD.	Granted
2560	10808383.3	EP	Samsung Electronics Co., LTD.	Pending
2561	13167743.7	EP	Samsung Electronics Co., LTD.	Pending
2562	13167744.5	EP	Samsung Electronics Co., LTD.	Pending
2563	15150191.3	EP	Samsung Electronics Co., LTD.	Pending
2564	15150192.1	EP	Samsung Electronics Co., LTD.	Pending
2565	W-00201200954	ID	Samsung Electronics Co., LTD.	Pending
2566	W-00201302175	ID	Samsung Electronics Co., LTD.	Pending
2567	ID P000039998	ID	Samsung Electronics Co., LTD.	Granted
2568	W-00201304145	ID	Samsung Electronics Co., LTD.	Pending

2569	P-00201500449	ID	Samsung Electronics Co., LTD.	Pending
2570	P-00201500448	ID	Samsung Electronics Co., LTD.	Pending
2571	585/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2572	939/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2573	940/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2574	400/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2575	401/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2576	402/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2577	JP 5746169	JP	Samsung Electronics Co., LTD.	Granted
2578	JP 5753327	JP	Samsung Electronics Co., LTD.	Granted
2579	JP 5753328	JP	Samsung Electronics Co., LTD.	Granted
2580	2015-095215	JP	Samsung Electronics Co., LTD.	Pending
2581	2015-095216	JP	Samsung Electronics Co., LTD.	Pending
2582	KR 1474756	KR	Samsung Electronics Co., LTD.	Granted
2583	P20160078117	KR	Samsung Electronics Co., LTD.	Pending
2584	MX 315664	MX	Samsung Electronics Co., LTD.	Granted
2585	MX 322644	MX	Samsung Electronics Co., LTD.	Granted
2586	MX 320217	MX	Samsung Electronics Co., LTD.	Granted
2587	MX 320207	MX	Samsung Electronics Co., LTD.	Granted
2588	MX 328501	MX	Samsung Electronics Co., LTD.	Granted
2589	MY 153787A	MY	Samsung Electronics Co., LTD.	Granted
2590	RU 2543519	RU	Samsung Electronics Co., LTD.	Granted
2591	RU 2510945	RU	Samsung Electronics Co., LTD.	Granted
2592	RU 2514777	RU	Samsung Electronics Co., LTD.	Granted
2593	RU 2551794	RU	Samsung Electronics Co., LTD.	Granted
2594	US8792741	US	Samsung Electronics Co., LTD.	Granted
2595	US 8842921	US	Samsung Electronics Co., LTD.	Granted
2596	US 8792737	US	Samsung Electronics Co., LTD.	Granted
2597	US 8971650	US	Samsung Electronics Co., LTD.	Granted
2598	1-2012-00620	VN	Samsung Electronics Co., LTD.	Pending
2599	1-2013-00799	VN	Samsung Electronics Co., LTD.	Pending
2600	1-2013-00800	VN	Samsung Electronics Co., LTD.	Pending
2601	1-2015-00046	VN	Samsung Electronics Co., LTD.	Pending

2602	1-2015-00045	VN	Samsung Electronics Co., LTD.	Pending
2603	2012/01157	ZA	Samsung Electronics Co., LTD.	Pending
2604	ZA 2013/04973	ZA	Samsung Electronics Co., LTD.	Granted
2605	2013/04974	ZA	Samsung Electronics Co., LTD.	Pending
2606	2015/02023	ZA	Samsung Electronics Co., LTD.	Pending
2607	2015/02025	ZA	Samsung Electronics Co., LTD.	Pending
2608	AU 2010313967	AU	Samsung Electronics Co., LTD.	Granted
2609	2015201330	AU	Samsung Electronics Co., LTD.	Pending
2610	2015201329	AU	Samsung Electronics Co., LTD.	Pending
2611	1120120097229	BR	Samsung Electronics Co., LTD.	Pending
2612	2777587	CA	Samsung Electronics Co., LTD.	Pending
2613	2883978	CA	Samsung Electronics Co., LTD.	Pending
2614	2883923	CA	Samsung Electronics Co., LTD.	Pending
2615	2883913	CA	Samsung Electronics Co., LTD.	Pending
2616	2883920	CA	Samsung Electronics Co., LTD.	Pending
2617	CN ZL201080049289.6	CN	Samsung Electronics Co., LTD.	Granted
2618	201510148781.3	CN	Samsung Electronics Co., LTD.	Pending
2619	201510150297.4	CN	Samsung Electronics Co., LTD.	Pending
2620	201510149521.8	CN	Samsung Electronics Co., LTD.	Pending
2621	201510149195.0	CN	Samsung Electronics Co., LTD.	Pending
2622	201510149594.7	CN	Samsung Electronics Co., LTD.	Pending
2623	10827104.0	EP	Samsung Electronics Co., LTD.	Pending
2624	15158640.1	EP	Samsung Electronics Co., LTD.	Pending
2625	15158612.0	EP	Samsung Electronics Co., LTD.	Pending
2626	15158613.8	EP	Samsung Electronics Co., LTD.	Pending
2627	15158614.6	EP	Samsung Electronics Co., LTD.	Pending
2628	W-00201202066	ID	Samsung Electronics Co., LTD.	Pending
2629	P00201501864	ID	Samsung Electronics Co., LTD.	Pending
2630	P00201501866	ID	Samsung Electronics Co., LTD.	Pending
2631	P00201501867	ID	Samsung Electronics Co., LTD.	Pending
2632	P00201501868	ID	Samsung Electronics Co., LTD.	Pending
2633	1264/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2634	742/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending

2635	745/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2636	741/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2637	740/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2638	JP 5711247	JP	Samsung Electronics Co., LTD.	Granted
2639	KR 1457894	KR	Samsung Electronics Co., LTD.	Granted
2640	P20160063729	KR	Samsung Electronics Co., LTD.	Pending
2641	MX 323424	MX	Samsung Electronics Co., LTD.	Granted
2642	PI2012001789	MY	Samsung Electronics Co., LTD.	Pending
2643	PI2015000598	MY	Samsung Electronics Co., LTD.	Pending
2644	PI2015000597	MY	Samsung Electronics Co., LTD.	Pending
2645	PI2015000596	MY	Samsung Electronics Co., LTD.	Pending
2646	PI2015000595	MY	Samsung Electronics Co., LTD.	Pending
2647	RU 2493669	RU	Samsung Electronics Co., LTD.	Granted
2648	2015108338	RU	Samsung Electronics Co., LTD.	Pending
2649	2015108351	RU	Samsung Electronics Co., LTD.	Pending
2650	2015108352	RU	Samsung Electronics Co., LTD.	Pending
2651	US8811479	US	Samsung Electronics Co., LTD.	Granted
2652	US14/323424	US	Samsung Electronics Co., LTD.	Pending
2653	US14/619299	US	Samsung Electronics Co., LTD.	Pending
2654	US14/619323	US	Samsung Electronics Co., LTD.	Pending
2655	US14/619187	US	Samsung Electronics Co., LTD.	Pending
2656	US14/619160	US	Samsung Electronics Co., LTD.	Pending
2657	1-2012-01480	VN	Samsung Electronics Co., LTD.	Pending
2658	1-2015-00827	VN	Samsung Electronics Co., LTD.	Pending
2659	1-2015-00825	VN	Samsung Electronics Co., LTD.	Pending
2660	1-2015-00826	VN	Samsung Electronics Co., LTD.	Pending
2661	1-2015-00824	VN	Samsung Electronics Co., LTD.	Pending
2662	2015/04997	ZA	Samsung Electronics Co., LTD.	Pending
2663	2015/04998	ZA	Samsung Electronics Co., LTD.	Pending
2664	2015/04999	ZA	Samsung Electronics Co., LTD.	Pending
2665	2015/05000	ZA	Samsung Electronics Co., LTD.	Pending
2666	AU 2010313997	AU	Samsung Electronics Co., LTD.	Granted
2667	AU 2013201912	AU	Samsung Electronics Co., LTD.	Granted

2668	AU 2013201913	AU	Samsung Electronics Co., LTD.	Granted
2669	AU 2014203052	AU	Samsung Electronics Co., LTD.	Granted
2670	112012009766-0	BR	Samsung Electronics Co., LTD.	Pending
2671	1220130205527	BR	Samsung Electronics Co., LTD.	Pending
2672	1220130205535	BR	Samsung Electronics Co., LTD.	Pending
2673	BR1220150240042	BR	Samsung Electronics Co., LTD.	Pending
2674	BR1220150240026	BR	Samsung Electronics Co., LTD.	Pending
2675	CA 2778534	CA	Samsung Electronics Co., LTD.	Granted
2676	CA 2818572	CA	Samsung Electronics Co., LTD.	Granted
2677	CA 2818587	CA	Samsung Electronics Co., LTD.	Granted
2678	CA 2888396	CA	Samsung Electronics Co., LTD.	Granted
2679	CN ZL201080049482.X	CN	Samsung Electronics Co., LTD.	Granted
2680	CN ZL201310088343.3	CN	Samsung Electronics Co., LTD.	Granted
2681	201310092751.6	CN	Samsung Electronics Co., LTD.	Pending
2682	CN ZL201510005386.X	CN	Samsung Electronics Co., LTD.	Granted
2683	CN ZL201510006815.5	CN	Samsung Electronics Co., LTD.	Granted
2684	201510053831.X	CN	Samsung Electronics Co., LTD.	Pending
2685	201510161725.3	CN	Samsung Electronics Co., LTD.	Pending
2686	201510161073.3	CN	Samsung Electronics Co., LTD.	Pending
2687	10827134.7	EP	Samsung Electronics Co., LTD.	Pending
2688	13167711.4	EP	Samsung Electronics Co., LTD.	Pending
2689	13167729.6	EP	Samsung Electronics Co., LTD.	Pending
2690	14157333.7	EP	Samsung Electronics Co., LTD.	Pending
2691	14157338.6	EP	Samsung Electronics Co., LTD.	Pending
2692	14157340.2	EP	Samsung Electronics Co., LTD.	Pending
2693	14157343.6	EP	Samsung Electronics Co., LTD.	Pending
2694	16163927.3	EP	Samsung Electronics Co., LTD.	Pending
2695	W-00201202112	ID	Samsung Electronics Co., LTD.	Pending
2696	W-00201301944	ID	Samsung Electronics Co., LTD.	Pending
2697	W-00201301945	ID	Samsung Electronics Co., LTD.	Pending
2698	P00201502615	ID	Samsung Electronics Co., LTD.	Pending
2699	P00201502609	ID	Samsung Electronics Co., LTD.	Pending
2700	P-00201506298	ID	Samsung Electronics Co., LTD.	Pending

2701	4651/CHENP/2012	IN	Samsung Electronics Co., LTD.	Pending
2702	2362/CHENP/2013	IN	Samsung Electronics Co., LTD.	Pending
2703	2361/CHENP/2013	IN	Samsung Electronics Co., LTD.	Pending
2704	2193/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
2705	2191/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
2706	2192/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
2707	JP 5711248	JP	Samsung Electronics Co., LTD.	Granted
2708	JP 5687310	JP	Samsung Electronics Co., LTD.	Granted
2709	JP 5639687	JP	Samsung Electronics Co., LTD.	Granted
2710	JP 5727114	JP	Samsung Electronics Co., LTD.	Granted
2711	JP 5727115	JP	Samsung Electronics Co., LTD.	Granted
2712	KR 1452713	KR	Samsung Electronics Co., LTD.	Granted
2713	P20140148721	KR	Samsung Electronics Co., LTD.	Pending
2714	MX 319564	MX	Samsung Electronics Co., LTD.	Granted
2715	MX 319562	MX	Samsung Electronics Co., LTD.	Granted
2716	MX 319560	MX	Samsung Electronics Co., LTD.	Granted
2717	MX 319559	MX	Samsung Electronics Co., LTD.	Granted
2718	MX 319561	MX	Samsung Electronics Co., LTD.	Granted
2719	MX 323296	MX	Samsung Electronics Co., LTD.	Granted
2720	PI2012001841	MY	Samsung Electronics Co., LTD.	Pending
2721	PI2013003184	MY	Samsung Electronics Co., LTD.	Pending
2722	PI2013003183	MY	Samsung Electronics Co., LTD.	Pending
2723	PI2015001487	MY	Samsung Electronics Co., LTD.	Pending
2724	PI2015001486	MY	Samsung Electronics Co., LTD.	Pending
2725	PI2015002232	MY	Samsung Electronics Co., LTD.	Pending
2726	2490815	RU	Samsung Electronics Co., LTD.	Granted
2727	2509436	RU	Samsung Electronics Co., LTD.	Granted
2728	2518635	RU	Samsung Electronics Co., LTD.	Granted
2729	2013119372	RU	Samsung Electronics Co., LTD.	Pending
2730	2013119400	RU	Samsung Electronics Co., LTD.	Pending
2731	2013119397	RU	Samsung Electronics Co., LTD.	Pending
2732	2013152955	RU	Samsung Electronics Co., LTD.	Pending
2733	US 8837840	US	Samsung Electronics Co., LTD.	Granted

2734	US8208742	US	Samsung Electronics Co., LTD.	Granted
2735	US 8582901	US	Samsung Electronics Co., LTD.	Granted
2736	US 8842926	US	Samsung Electronics Co., LTD.	Granted
2737	US 8842922	US	Samsung Electronics Co., LTD.	Granted
2738	1-2012-01514	VN	Samsung Electronics Co., LTD.	Pending
2739	1-2013-00797	VN	Samsung Electronics Co., LTD.	Pending
2740	1-2013-00798	VN	Samsung Electronics Co., LTD.	Pending
2741	1-2015-01392	VN	Samsung Electronics Co., LTD.	Pending
2742	1-2015-01393	VN	Samsung Electronics Co., LTD.	Pending
2743	1-2015-02743	VN	Samsung Electronics Co., LTD.	Pending
2744	ZA 2012/02670	ZA	Samsung Electronics Co., LTD.	Granted
2745	2013/04978	ZA	Samsung Electronics Co., LTD.	Granted
2746	2013/04979	ZA	Samsung Electronics Co., LTD.	Granted
2747	ZA 2014/06113	ZA	Samsung Electronics Co., LTD.	Granted
2748	ZA 2015/00338	ZA	Samsung Electronics Co., LTD.	Granted
2749	ZA 2015/00339	ZA	Samsung Electronics Co., LTD.	Granted
2750	AL 2629528	AL	Samsung Electronics Co., LTD.	Granted
2751	AT 2629528	AT	Samsung Electronics Co., LTD.	Granted
2752	AU 2010328813	AU	Samsung Electronics Co., LTD.	Granted
2753	AU 2013201503	AU	Samsung Electronics Co., LTD.	Granted
2754	AU 2013201504	AU	Samsung Electronics Co., LTD.	Granted
2755	BE 2629528	BE	Samsung Electronics Co., LTD.	Granted
2756	BG 2629528	BG	Samsung Electronics Co., LTD.	Granted
2757	11 2012 013871 5	BR	Samsung Electronics Co., LTD.	Pending
2758	1220130199535	BR	Samsung Electronics Co., LTD.	Pending
2759	1220130199527	BR	Samsung Electronics Co., LTD.	Pending
2760	2783786	CA	Samsung Electronics Co., LTD.	Pending
2761	2816467	CA	Samsung Electronics Co., LTD.	Pending
2762	CA 2876814	CA	Samsung Electronics Co., LTD.	Granted
2763	CH 2629528	CH	Samsung Electronics Co., LTD.	Granted
2764	CN 201080063102.8	CN	Samsung Electronics Co., LTD.	Granted
2765	201310091250.6	CN	Samsung Electronics Co., LTD.	Pending
2766	201510006877.6	CN	Samsung Electronics Co., LTD.	Pending

2767	201510007111.X	CN	Samsung Electronics Co., LTD.	Pending
2768	201510069835.7	CN	Samsung Electronics Co., LTD.	Pending
2769	201510192457.1	CN	Samsung Electronics Co., LTD.	Pending
2770	CY 2629528	CY	Samsung Electronics Co., LTD.	Granted
2771	CZ 2629528	CZ	Samsung Electronics Co., LTD.	Granted
2772	DE 2629528	DE	Samsung Electronics Co., LTD.	Granted
2773	DK 2629528	DK	Samsung Electronics Co., LTD.	Granted
2774	EE 2629528	EE	Samsung Electronics Co., LTD.	Granted
2775	10836203.9	EP	Samsung Electronics Co., LTD.	Pending
2776	13167741.1	EP	Samsung Electronics Co., LTD.	Pending
2777	15159951.1	EP	Samsung Electronics Co., LTD.	Pending
2778	15159952.9	EP	Samsung Electronics Co., LTD.	Pending
2779	ES 2629528	ES	Samsung Electronics Co., LTD.	Granted
2780	FI 2629528	FI	Samsung Electronics Co., LTD.	Granted
2781	FR 2629528	FR	Samsung Electronics Co., LTD.	Granted
2782	GB 2629528	GB	Samsung Electronics Co., LTD.	Granted
2783	GR 2629528	GR	Samsung Electronics Co., LTD.	Granted
2784	HR 2629528	HR	Samsung Electronics Co., LTD.	Granted
2785	HU 2629528	HU	Samsung Electronics Co., LTD.	Granted
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2787	W-00201303992	ID	Samsung Electronics Co., LTD.	Pending
2788	W-00201303994	ID	Samsung Electronics Co., LTD.	Pending
2789	P00201502612	ID	Samsung Electronics Co., LTD.	Pending
2790	P00201502613	ID	Samsung Electronics Co., LTD.	Pending
2791	IE 2629528	IE	Samsung Electronics Co., LTD.	Granted
2792	1687/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2793	929/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2794	930/MUMNP/2013	IN	Samsung Electronics Co., LTD.	Pending
2795	850/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2796	851/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2797	852/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2798	IS 2629528	IS	Samsung Electronics Co., LTD.	Granted
2799	IT 2629528	IT	Samsung Electronics Co., LTD.	Granted

2800	JP 5632515	JP	Samsung Electronics Co., LTD.	Granted
2801	JP 5632516	JP	Samsung Electronics Co., LTD.	Granted
2802	2016-105544	JP	Samsung Electronics Co., LTD.	Pending
2803	KR 1484280	KR	Samsung Electronics Co., LTD.	Granted
2804	P20140148722	KR	Samsung Electronics Co., LTD.	Pending
2805	P20150008765	KR	Samsung Electronics Co., LTD.	Pending
2806	LI 2629528	LI	Samsung Electronics Co., LTD.	Granted
2807	LT 2629528	LT	Samsung Electronics Co., LTD.	Granted
2808	LU 2629528	LU	Samsung Electronics Co., LTD.	Granted
2809	LV 2629528	LV	Samsung Electronics Co., LTD.	Granted
2810	MC 2629528	MC	Samsung Electronics Co., LTD.	Granted
2811	MK 2629528	MK	Samsung Electronics Co., LTD.	Granted
2812	MT 2629528	MT	Samsung Electronics Co., LTD.	Granted
2813	MX 316852	MX	Samsung Electronics Co., LTD.	Granted
2814	PI2012002568	MY	Samsung Electronics Co., LTD.	Pending
2815	PI2013003241	MY	Samsung Electronics Co., LTD.	Pending
2816	MY 155120-A	MY	Samsung Electronics Co., LTD.	Granted
2817	PI2015001427	MY	Samsung Electronics Co., LTD.	Pending
2818	PI2015001426	MY	Samsung Electronics Co., LTD.	Pending
2819	NL 2629528	NL	Samsung Electronics Co., LTD.	Granted
2820	NO 2629528	NO	Samsung Electronics Co., LTD.	Granted
2821	PL 2629528	PL	Samsung Electronics Co., LTD.	Granted
2822	PT 2629528	PT	Samsung Electronics Co., LTD.	Granted
2823	RO 2629528	RO	Samsung Electronics Co., LTD.	Granted
2824	SR 2629528	Rs	Samsung Electronics Co., LTD.	Granted
2825	RU 2517404	RU	Samsung Electronics Co., LTD.	Granted
2826	RU 2517253	RU	Samsung Electronics Co., LTD.	Granted
2827	RU 2515226	RU	Samsung Electronics Co., LTD.	Granted
2828	SE 2629528	SE	Samsung Electronics Co., LTD.	Granted
2829	SI 2629528	SI	Samsung Electronics Co., LTD.	Granted
2830	SK 2629528	SK	Samsung Electronics Co., LTD.	Granted
2831	SM 2629528	SM	Samsung Electronics Co., LTD.	Granted
2832	TR 2629528	TR	Samsung Electronics Co., LTD.	Granted

2833	US 8938006	US	Samsung Electronics Co., LTD.	Granted
2834	US8780993	US	Samsung Electronics Co., LTD.	Granted
2835	US 8885725	US	Samsung Electronics Co., LTD.	Granted
2836	US 8885723	US	Samsung Electronics Co., LTD.	Granted
2837	US 8885724	US	Samsung Electronics Co., LTD.	Granted
2838	US15/016790	US	Samsung Electronics Co., LTD.	Pending
2839	VN 1-2012-01954	VN	Samsung Electronics Co., LTD.	Granted
2840	1-2013-00803	VN	Samsung Electronics Co., LTD.	Pending
2841	1-2013-00804	VN	Samsung Electronics Co., LTD.	Pending
2842	VN 1-2015-01763	VN	Samsung Electronics Co., LTD.	Granted
2843	1-2015-01763	VN	Samsung Electronics Co., LTD.	Pending
2844	VN 1-2015-01762	VN	Samsung Electronics Co., LTD.	Granted
2845	1-2015-01762	VN	Samsung Electronics Co., LTD.	Pending
2846	ZA 2013/04981	ZA	Samsung Electronics Co., LTD.	Granted
2847	2015/05589	ZA	Samsung Electronics Co., LTD.	Pending
2848	2015/05590	ZA	Samsung Electronics Co., LTD.	Pending
2849	1120120091786	BR	Samsung Electronics Co., LTD.	Pending
2850	BR122015021750-4	BR	Samsung Electronics Co., LTD.	Pending
2851	BR122015021748-2	BR	Samsung Electronics Co., LTD.	Pending
2852	BR122015021746-6	BR	Samsung Electronics Co., LTD.	Pending
2853	BR122015021751-2	BR	Samsung Electronics Co., LTD.	Pending
2854	CA 2777584	CA	Samsung Electronics Co., LTD.	Granted
2855	201510192458.6	CN	Samsung Electronics Co., LTD.	Pending
2856	201510192566.3	CN	Samsung Electronics Co., LTD.	Pending
2857	201510195311.2	CN	Samsung Electronics Co., LTD.	Pending
2858	201510195313.1	CN	Samsung Electronics Co., LTD.	Pending
2859	201510454366.0	CN	Samsung Electronics Co., LTD.	Pending
2860	10825221.4	EP	Samsung Electronics Co., LTD.	Pending
2861	14192864.8	EP	Samsung Electronics Co., LTD.	Pending
2862	15153236.3	EP	Samsung Electronics Co., LTD.	Pending
2863	15169004.7	EP	Samsung Electronics Co., LTD.	Pending
2864	15169003.9	EP	Samsung Electronics Co., LTD.	Pending
2865	1224/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending

2866	839/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2867	840/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2868	841/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2869	842/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2870	843/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2871	JP 5711244	JP	Samsung Electronics Co., LTD.	Granted
2872	KR 1457418	KR	Samsung Electronics Co., LTD.	Granted
2873	P20150052006	KR	Samsung Electronics Co., LTD.	Pending
2874	P20150052007	KR	Samsung Electronics Co., LTD.	Pending
2875	P20150052008	KR	Samsung Electronics Co., LTD.	Pending
2876	MX 323423	MX	Samsung Electronics Co., LTD.	Granted
2877	MX 326542	MX	Samsung Electronics Co., LTD.	Granted
2878	MX/a/2014/016033	MX	Samsung Electronics Co., LTD.	Pending
2879	RU 2509435	RU	Samsung Electronics Co., LTD.	Granted
2880	US8798159	US	Samsung Electronics Co., LTD.	Granted
2881	US 8897369	US	Samsung Electronics Co., LTD.	Granted
2882	US 8891632	US	Samsung Electronics Co., LTD.	Granted
2883	US 8891631	US	Samsung Electronics Co., LTD.	Granted
2884	US 8891618	US	Samsung Electronics Co., LTD.	Granted
2885	CN ZL201080063360.6	CN	Samsung Electronics Co., LTD.	Granted
2886	201510387296.1	CN	Samsung Electronics Co., LTD.	Pending
2887	201510388593.8	CN	Samsung Electronics Co., LTD.	Pending
2888	201510387983.3	CN	Samsung Electronics Co., LTD.	Pending
2889	201510388369.9	CN	Samsung Electronics Co., LTD.	Pending
2890	10836223.7	EP	Samsung Electronics Co., LTD.	Pending
2891	15174986.8	EP	Samsung Electronics Co., LTD.	Pending
2892	15174988.4	EP	Samsung Electronics Co., LTD.	Pending
2893	15174991.8	EP	Samsung Electronics Co., LTD.	Pending
2894	15174992.6	EP	Samsung Electronics Co., LTD.	Pending
2895	P20090121935	KR	Samsung Electronics Co., LTD.	Pending
2896	P20150015588	KR	Samsung Electronics Co., LTD.	Pending
2897	P20150052464	KR	Samsung Electronics Co., LTD.	Pending
2898	P20150105295	KR	Samsung Electronics Co., LTD.	Pending

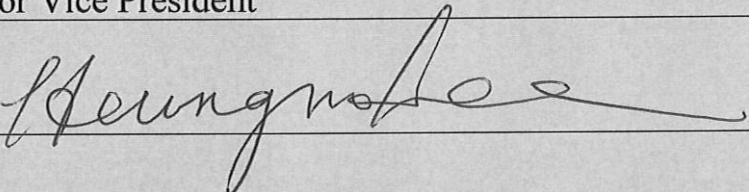
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2900	P20150105297	KR	Samsung Electronics Co., LTD.	Pending
2901	P20150105298	KR	Samsung Electronics Co., LTD.	Pending
2902	US14/849073	US	Samsung Electronics Co., LTD.	Pending
2903	US14/926883	US	Samsung Electronics Co., LTD.	Pending
2904	US14/926968	US	Samsung Electronics Co., LTD.	Pending
2905	US14/927025	US	Samsung Electronics Co., LTD.	Pending
2906	US14/927096	US	Samsung Electronics Co., LTD.	Pending
2907	2011205896	AU	Samsung Electronics Co., LTD.	Pending
2908	2013202014	AU	Samsung Electronics Co., LTD.	Pending
2909	AU 2014202994	AU	Samsung Electronics Co., LTD.	Granted
2910	11 2012 017408 8	BR	Samsung Electronics Co., LTD.	Pending
2911	1220130205519	BR	Samsung Electronics Co., LTD.	Pending
2912	BR1220150213690	BR	Samsung Electronics Co., LTD.	Pending
2913	BR1220150213673	BR	Samsung Electronics Co., LTD.	Pending
2914	BR1220150213703	BR	Samsung Electronics Co., LTD.	Pending
2915	CA 2828001	CA	Samsung Electronics Co., LTD.	Granted
2916	CA 2880465	CA	Samsung Electronics Co., LTD.	Granted
2917	2880472	CA	Samsung Electronics Co., LTD.	Pending
2918	2880256	CA	Samsung Electronics Co., LTD.	Pending
2919	201180014025.1	CN	Samsung Electronics Co., LTD.	Pending
2920	201410811994.5	CN	Samsung Electronics Co., LTD.	Pending
2921	201510178147.4	CN	Samsung Electronics Co., LTD.	Pending
2922	201510178593.5	CN	Samsung Electronics Co., LTD.	Pending
2923	201510245822.0	CN	Samsung Electronics Co., LTD.	Pending
2924	201510246252.7	CN	Samsung Electronics Co., LTD.	Pending
2925	11733108.2	EP	Samsung Electronics Co., LTD.	Pending
2926	13172421.3	EP	Samsung Electronics Co., LTD.	Pending
2927	15168134.3	EP	Samsung Electronics Co., LTD.	Pending
2928	15168135.0	EP	Samsung Electronics Co., LTD.	Pending
2929	15168136.8	EP	Samsung Electronics Co., LTD.	Pending
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2932	P-00201503975	ID	Samsung Electronics Co., LTD.	Pending
2933	P-00201503977	ID	Samsung Electronics Co., LTD.	Pending
2934	P-00201503976	ID	Samsung Electronics Co., LTD.	Pending
2935	7066/CHENP/2012	IN	Samsung Electronics Co., LTD.	Pending
2936	3042/CHENP/2013	IN	Samsung Electronics Co., LTD.	Pending
2937	2806/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
2938	2807/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
2939	2805/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
2940	JP 5620555	JP	Samsung Electronics Co., LTD.	Granted
2941	2015-87004	JP	Samsung Electronics Co., LTD.	Pending
2942	2015-87005	JP	Samsung Electronics Co., LTD.	Pending
2943	KR 1522850	KR	Samsung Electronics Co., LTD.	Granted
2944	P20150052468	KR	Samsung Electronics Co., LTD.	Pending
2945	MX 324186	MX	Samsung Electronics Co., LTD.	Granted
2946	PI2012003196	MY	Samsung Electronics Co., LTD.	Pending
2947	PI2013003240	MY	Samsung Electronics Co., LTD.	Pending
2948	PI2015001297	MY	Samsung Electronics Co., LTD.	Pending
2949	PI2015001296	MY	Samsung Electronics Co., LTD.	Pending
2950	PI2015001295	MY	Samsung Electronics Co., LTD.	Pending
2951	RU 2514929	RU	Samsung Electronics Co., LTD.	Granted
2952	RU 2513707	RU	Samsung Electronics Co., LTD.	Granted
2953	RU 2530252	RU	Samsung Electronics Co., LTD.	Granted
2954	2013158843	RU	Samsung Electronics Co., LTD.	Pending
2955	2013158760	RU	Samsung Electronics Co., LTD.	Pending
2956	2013158853	RU	Samsung Electronics Co., LTD.	Pending
2957	2013158636	RU	Samsung Electronics Co., LTD.	Pending
2958	SG 182491	SG	Samsung Electronics Co., LTD.	Granted
2959	SG 192512	SG	Samsung Electronics Co., LTD.	Granted
2960	SG 192511	SG	Samsung Electronics Co., LTD.	Granted
2961	10201500917W	SG	Samsung Electronics Co., LTD.	Pending
2962	US 8995529	US	Samsung Electronics Co., LTD.	Granted
2963	US8861608	US	Samsung Electronics Co., LTD.	Granted
2964	US 8861609	US	Samsung Electronics Co., LTD.	Granted

2965	US 9131237	US	Samsung Electronics Co., LTD.	Granted
2966	US 9106924	US	Samsung Electronics Co., LTD.	Granted
2967	1-2012-02401	VN	Samsung Electronics Co., LTD.	Pending
2968	1-2013-00793	VN	Samsung Electronics Co., LTD.	Pending
2969	1-2015-01676	VN	Samsung Electronics Co., LTD.	Pending
2970	1-2015-01675	VN	Samsung Electronics Co., LTD.	Pending
2971	1-2015-01674	VN	Samsung Electronics Co., LTD.	Pending
2972	2012/05735	ZA	Samsung Electronics Co., LTD.	Pending
2973	ZA 2013/04982	ZA	Samsung Electronics Co., LTD.	Granted
2974	2015/07995	ZA	Samsung Electronics Co., LTD.	Pending
2975	1120120174061	BR	Samsung Electronics Co., LTD.	Pending
2976	201180013432.0	CN	Samsung Electronics Co., LTD.	Pending
2977	201510134315.X	CN	Samsung Electronics Co., LTD.	Pending
2978	201510134277.8	CN	Samsung Electronics Co., LTD.	Pending
2979	201510134292.2	CN	Samsung Electronics Co., LTD.	Pending
2980	201510131900.4	CN	Samsung Electronics Co., LTD.	Pending
2981	201510289124.0	CN	Samsung Electronics Co., LTD.	Pending
2982	11733110.8	EP	Samsung Electronics Co., LTD.	Pending
2983	15183034.6	EP	Samsung Electronics Co., LTD.	Pending
2984	15183036.1	EP	Samsung Electronics Co., LTD.	Pending
2985	15183038.7	EP	Samsung Electronics Co., LTD.	Pending
2986	15183039.5	EP	Samsung Electronics Co., LTD.	Pending
2987	W-00201203291	ID	Samsung Electronics Co., LTD.	Pending
2988	P-00201505310	ID	Samsung Electronics Co., LTD.	Pending
2989	P-00201505312	ID	Samsung Electronics Co., LTD.	Pending
2990	P-00201505317	ID	Samsung Electronics Co., LTD.	Pending
2991	P-00201505320	ID	Samsung Electronics Co., LTD.	Pending
2992	1924/MUMNP/2012	IN	Samsung Electronics Co., LTD.	Pending
2993	1361/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2994	1360/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2995	1359/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2996	1358/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending
2997	1357/MUMNP/2015	IN	Samsung Electronics Co., LTD.	Pending

2998	JP 5718363	JP	Samsung Electronics Co., LTD.	Granted
2999	KR 1487687	KR	Samsung Electronics Co., LTD.	Granted
3000	P20160063730	KR	Samsung Electronics Co., LTD.	Pending
3001	PI2012003195	MY	Samsung Electronics Co., LTD.	Pending
3002	MY-155335-A	MY	Samsung Electronics Co., LTD.	Granted
3003	MY-155333-A	MY	Samsung Electronics Co., LTD.	Granted
3004	PI2015001597	MY	Samsung Electronics Co., LTD.	Pending
3005	PI2015001596	MY	Samsung Electronics Co., LTD.	Pending
3006	1-2012-501443	PH	Samsung Electronics Co., LTD.	Pending
3007	1-2015-500846	PH	Samsung Electronics Co., LTD.	Pending
3008	1-2015-500840	PH	Samsung Electronics Co., LTD.	Pending
3009	1-2015-500842	PH	Samsung Electronics Co., LTD.	Pending
3010	1-2015-500845	PH	Samsung Electronics Co., LTD.	Pending
3011	1201003549	TH	Samsung Electronics Co., LTD.	Pending
3012	US8842927	US	Samsung Electronics Co., LTD.	Granted
3013	US 8923641	US	Samsung Electronics Co., LTD.	Granted
3014	US 8971654	US	Samsung Electronics Co., LTD.	Granted
3015	US 8971653	US	Samsung Electronics Co., LTD.	Granted
3016	US 8885959	US	Samsung Electronics Co., LTD.	Granted
3017	US14/609643	US	Samsung Electronics Co., LTD.	Pending
3018	1-2012-02402	VN	Samsung Electronics Co., LTD.	Pending
3019	1-2015-01872	VN	Samsung Electronics Co., LTD.	Pending
3020	1-2015-01870	VN	Samsung Electronics Co., LTD.	Pending
3021	1-2015-01873	VN	Samsung Electronics Co., LTD.	Pending
3022	1-2015-01871	VN	Samsung Electronics Co., LTD.	Pending
3023	201180013472.5	CN	Samsung Electronics Co., LTD.	Pending
3024	201510038200.0	CN	Samsung Electronics Co., LTD.	Pending
3025	201510236639.4	CN	Samsung Electronics Co., LTD.	Pending
3026	201510236860.X	CN	Samsung Electronics Co., LTD.	Pending
3027	201510236511.8	CN	Samsung Electronics Co., LTD.	Pending
3028	201510236407.9	CN	Samsung Electronics Co., LTD.	Pending
3029	W-00201203294	ID	Samsung Electronics Co., LTD.	Pending
3030	P-00201504124	ID	Samsung Electronics Co., LTD.	Pending

3031	P-00201504129	ID	Samsung Electronics Co., LTD.	Pending
3032	P-00201504127	ID	Samsung Electronics Co., LTD.	Pending
3033	P-00201504125	ID	Samsung Electronics Co., LTD.	Pending
3034	6981/CHENP/2012	IN	Samsung Electronics Co., LTD.	Pending
3035	2779/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
3036	2777/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
3037	2776/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
3038	2775/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
3039	2774/CHENP/2015	IN	Samsung Electronics Co., LTD.	Pending
3040	KR 1457396	KR	Samsung Electronics Co., LTD.	Granted
3041	PI2012003194	MY	Samsung Electronics Co., LTD.	Pending
3042	1-2015-501077	PH	Samsung Electronics Co., LTD.	Pending
3043	1-2015-501078	PH	Samsung Electronics Co., LTD.	Pending
3044	1-2015-501079	PH	Samsung Electronics Co., LTD.	Pending
3045	1-2015-501080	PH	Samsung Electronics Co., LTD.	Pending
3046	1201003551	TH	Samsung Electronics Co., LTD.	Pending
3047	US 8792561	US	Samsung Electronics Co., LTD.	Granted
3048	US 9055299	US	Samsung Electronics Co., LTD.	Granted
3049	US 9124903	US	Samsung Electronics Co., LTD.	Granted
3050	US 9118915	US	Samsung Electronics Co., LTD.	Granted
3051	US 9118916	US	Samsung Electronics Co., LTD.	Granted
3052	US15/044672	US	Samsung Electronics Co., LTD.	Pending
3053	1-2012-02398	VN	Samsung Electronics Co., LTD.	Pending
3054	1-2015-01712	VN	Samsung Electronics Co., LTD.	Pending
3055	1-2015-01713	VN	Samsung Electronics Co., LTD.	Pending
3056	1-2015-01714	VN	Samsung Electronics Co., LTD.	Pending
3057	1-2015-01715	VN	Samsung Electronics Co., LTD.	Pending
3058	CN ZL201180008129.1	CN	Samsung Electronics Co., LTD.	Granted
3059	201510159484.9	CN	Samsung Electronics Co., LTD.	Pending
3060	201510159349.4	CN	Samsung Electronics Co., LTD.	Pending
3061	201510159110.7	CN	Samsung Electronics Co., LTD.	Pending
3062	201510158068.7	CN	Samsung Electronics Co., LTD.	Pending
3063	201510158600.5	CN	Samsung Electronics Co., LTD.	Pending

Disclosure of Information	
<p>In accordance with Sections 3 and 4 of the ATSC Patent Policy, if the Discloser has made a licensing declaration under paragraph (c) above, please provide the following information;</p> <ul style="list-style-type: none"> - an identification of each patent or patent application that is the subject matter of the Essential Claim; - an identification of specific section(s) or text of the Specification Document that are relevant to the Essential Claim; and - an identification of each patent or patent application claim covering the Specification Document. <p>This information is informal in nature and does not constitute a legal opinion, but should be based on "good faith and belief" of the Discloser. Information provided in this section does not represent a formal "notice" that implementation of any resulting ATSC Standard or Recommended Practice would infringe any patent or patent application for the Essential Claim.</p>	
<p>Completed By:</p> <p>Name of Participant <u>Samsung Electronics Co., LTD.</u></p> <p>Name of Representative <u>Heungmo Lee</u></p> <p>Title of Representative <u>Senior Vice President</u></p> <p>Signature <u></u></p> <p>Place, Date <u>Seoul, Korea, November 03, 2017</u></p>	