



QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
858-587-1121

www.qualcomm.com

November 3, 2016

Via Email and Federal Express

Attn: Daro Bruno
ATSC
1776 K STREET NW 8th FLOOR
WASHINGTON, DC 20006-2304

Re: ATSC Candidate Standard: Service Announcement (A/332) (S33-159r5)

Dear Sir,

Enclosed please find Qualcomm Incorporated's IPR Disclosure Statement and Licensing Declaration form for ATSC Candidate Standard: Service Announcement (A/332) (S33-159r5).

Per Sections 1 and 3 of the ATSC Patent Policy attached are copies of Qualcomm Incorporated's Intellectual Property Licensing Declarations sent to OMA and IETF for the following normative references as cited in the above referenced ATSC Specification Candidate Standard:

OMA: "Service Guide for Mobile Broadcast Services," Version 1.0.1, document OMA-TS-BCAST_Service_Guide-V1_0_1-20130109-A, Open Mobile Alliance, 9 January 2013 (normatively referenced in ATSC Service Announcement (A/332) (S33-159r5)).

OMA: "Service Guide for Mobile Broadcast Services," Version 1.1, document OMA-TSBCAST_Service_Guide-V1_1-20131029-A, Open Mobile Alliance, 29 October 2013 (normatively referenced in ATSC Service Announcement (A/332) (S33-159r5)).

IETF: "RaptorQ Forward Error Correction Scheme for Object Delivery," RFC 6330, Internet Engineering Task Force, August 2011 (normatively referenced in ATSC Service Announcement (A/332) (S33-159r5)).



Please confirm receipt of this declaration at your earliest convenience via email to ip.disclosure@qualcomm.com. If you have any questions or concerns, please contact me directly at 858-587-1121. Thank you for your time and assistance with this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "TR Rouse", with a long horizontal line extending to the right.

Thomas R. Rouse
VP & Legal Counsel
Standards Policy and Compliance
Qualcomm Incorporated

TR/go

ATSC

Disclosure Statement and Licensing Declaration

This declaration does not represent an implied license grant

Please return to:

President
ATSC
1750 K Street NW
Suite 1200
Washington, DC 20006
202-872-9160 – Office
202-872-9161 - Fax

Discloser:

Name of Participant: QUALCOMM Incorporated

**Contact Information for
Participant's Representative:**

Thomas R. Rouse, VP & Legal Counsel,
Standards Policy and Compliance

Name of Representative:

Thomas R. Rouse, VP & Legal Counsel,
Standards Policy and Compliance

Address:

5775 Morehouse Drive, San Diego, CA 92121

Tel. No.:

858-587-1121

Fax:

858-658-2503

Email:

ip.disclosure@qualcomm.com

URL (optional):

www.qualcomm.com

Identification of ATSC Specification Document relevant to the Disclosure Statement:

Number: S33-159r5

Title: ATSC Candidate Standard: Service Announcement (A/332)

Licensing Declaration

If the Discloser is the holder of a patent and/or pending patent application that is the subject of an **Essential Claim, i.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.

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

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., 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.

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.

- 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.

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.

Completed By:

Name of Participant: QUALCOMM Incorporated

Name of Representative: Thomas R. Rouse

Title of Representative: VP & Legal Counsel, Standards Policy & Compliance

Signature: 

Place, Date: San Diego, CA November 3, 2016

QUALCOMM Incorporated's Statement about IPR related to RFC 6330

Only those sections of the "Patent Disclosure and Licensing Declaration Template for Specific IPR Disclosures" where the submitter provided information are displayed.

This IPR disclosure updates IPR disclosure ID #1553, "[QUALCOMM Incorporated's Statement about IPR related to draft-ietf-rmt-bb-fec-raptorq-06](#)"

Update [this IPR disclosure](#). Note: Updates to IPR disclosures must only be made by authorized representatives of the original submitters. Updates will automatically be forwarded to the current Patent Holder's Contact and to the Submitter of the original IPR disclosure.

Submitted Date: February 6, 2013

I. Patent Holder/Applicant ("Patent Holder")

Legal Name: QUALCOMM Incorporated

II. Patent Holder's Contact for License Application

Name: Thomas R. Rouse
 Title: VP, QTL Patent Counsel
 Department: Qualcomm Technology Licensing
 Address1: 5775 Morehouse Drive
 Address2: San Diego, CA 92121
 Telephone: 858-587-1121
 Fax:
 Email: trouse@qualcomm.com

III. Contact Information for the IETF Participant Whose Personal Belief Triggered this Disclosure:

Name: Michael Luby
 Title: VP, Technology
 Department:
 Address1:
 Address2:
 Telephone: 408-533-9434
 Fax:
 Email: luby@qti.qualcomm.com

IV. IETF Document or Other Contribution to Which this IPR Disclosure Relates:

RFC : "RaptorQ Forward Error Correction Scheme for Object Delivery"

V. Disclosure of Patent Information (i.e., patents or patent applications required to be disclosed by Section 6 of RFC 3979)

A. For granted patents or published pending patent applications, please provide the following information:

Patent, Serial, Publication, Registration, or Application/File number(s): US7,139,960; US7,451,377; US20090158114; EP1665539
 Date(s) granted or applied for: 11/21/06; 11/11/08; 6/18/09; 6/7/06
 Country: US
 Additional Notes:
 7,139,960 claims priority to 60/509,355 and has foreign counterparts in CN, EP, HK, IN, JP, KR.
 7,451,377 is a continuation of 7,139,960 and claims priority to 60/509,355.
 20090158114 is a continuation of 7,139,960 and claims priority to 60/509,355.
 EP1665539 claims priority to 60/509,355.

B. Does this disclosure relate to an unpublished pending patent application?: NO

C. If an Internet-Draft or RFC includes multiple parts and it is not reasonably apparent which part of such Internet-Draft or RFC is alleged to be covered by the patent information disclosed in Section V(A) or V(B), it is helpful if the discloser identifies here the sections of the Internet-Draft or RFC that are alleged to be so covered

No information submitted

VI. Licensing Declaration

The Patent Holder states that its position with respect to licensing any patent claims contained in the patent(s) or patent application(s) disclosed above that would necessarily be infringed by implementation of the technology required by the relevant IETF specification ("Necessary Patent Claims"), for the purpose of implementing such specification, is as follows (select one licensing declaration option only):

See Text Below for Licensing Declaration.

Licensing information, comments, notes, or URL for further information

If the technology in RFC6330 "RaptorQ Forward Error Correction Scheme for Object Delivery" is included in a standards track or experimental document adopted by the IETF, and any claim of any patent issued from the above mentioned patents, patent applications or corresponding patents and patent applications is required for the implementation of any device that (a) fully implements such adopted standards track or experimental document; and (b) implements a wireless wide-area standard (for example, a UMTS-compatible handset or Infrastructure equipment), Qualcomm will offer licenses to such claim as part of its established licensing terms and conditions for such devices, without charging any additional incremental royalty rate above Qualcomm's standard royalty rate for use of its patents in such devices implementing such wireless wide-area standard.

If the technology in RFC6330 "RaptorQ Forward Error Correction Scheme for Object Delivery" is included in a standards track or experimental document adopted by the IETF, and any claim of any patent issued from the above mentioned patents, patent applications or corresponding patents and patent applications is required for the implementation of any device that (a) fully implements such adopted standards track or experimental document; and (b) does not implement any wireless wide-area standard, Qualcomm will not assert any such claim against any party for making, using, selling, importing or offering for sale such device but solely with respect to the implementation of such adopted standards track or experimental document, provided, however that Qualcomm retains the right to assert its patent(s) issued on the above mentioned application or corresponding patent applications (including the right to claim past royalties) against any party that asserts a patent it owns or controls (either directly or indirectly) against any products of Qualcomm or any products of any of Qualcomm's Affiliates either alone or in combination with other products; and Qualcomm retains the right to assert its patents or application(s) against any product or portion thereof that does not fully implement the IETF standards track or experimental document.

Note: The individual submitting this template represents and warrants that he or she is authorized by the Patent Holder to agree to the above-selected licensing declaration.

VII. Contact Information of Submitter of this Form (if different from the Contact Information above)

Name: Thomas R. Rouse
Title: VP, QTL Patent Counsel
Department: Legal
Address1: 5775 Morehouse Drive
Address2:
Telephone: 858-587-1121
Fax:
Email: trouse@qualcomm.com

VIII. Other Notes:

Qualcomm Incorporated has acquired Digital Fountain and all owned IPR.

The Patent Disclosure and Licensing Declaration Template for Specific IPR Disclosures

This document is an IETF IPR Disclosure and Licensing Declaration Template and is submitted to inform the IETF of a) patent or patent application information regarding the IETF document or contribution listed in Section IV, and b) an IPR Holder's intention with respect to the licensing of its necessary patent claims. No actual license is implied by submission of this template. Please complete and submit a separate template for each IETF document or contribution to which the disclosed patent information relates.

If you wish to submit your IPR disclosure by e-mail, then please send it to ietf-ipr@ietf.org. Submissions made by e-mail that do not comply with the formal requirements of Section 6, "IPR Disclosures," of RFC 3979, "Intellectual Property Rights in IETF Technology", will be posted, but will be marked as "non-compliant".

Fields marked with "*" are required.

Updates

If this disclosure **updates** another disclosure(s) identify here which one(s). Leave this field blank if this disclosure does not update any prior disclosures. Note: Updates to IPR disclosures must only be made by authorized representatives of the original submitters. Updates will automatically be forwarded to the current Patent Holder's Contact and to the Submitter of the original IPR disclosure.

Updates:

QUALCOMM Incorporated's Statement about IPR related to RFC 6330 <2013-02-06> *

'I'. Patent Holder/Applicant ("Patent Holder")

Legal Name: QUALCOMM Incorporated *

'II'. Patent Holder's Contact for License Application

Name: Thomas R. Rouse *

Email: ip.disclosure@qualcomm.com *

Other Info: VP, QTL Patent Counsel
(address,phone,etc) Qualcomm Technology Licensing
5775 Morehouse Drive
San Diego CA 92121
T: 858-587-1121

'III'. Contact Information for the IETF Participant Whose Personal Belief Triggered this Disclosure:

Name: Michael Luby

Email: luby@qti.qualcomm.com

Other Info:
(address,phone,etc)

VP, Technology
T: 408-533-9434

'IV'. IETF Document or Other Contribution to Which this IPR Disclosure Relates: *

If an Internet-Draft or RFC includes multiple parts and it is not reasonably apparent which part of such Internet-Draft or RFC is alleged to be covered by the patent information disclosed in Section V(A) or V(B), it is helpful if the discloser identifies here the sections of the Internet-Draft or RFC that are alleged to be so covered:

RFC Name: * Sections
[Add More](#)

I-D Filename: Revisions Sections
[Add More](#)

Designations for Other Contributions:

'V'. Disclosure of Patent Information (i.e., patents or patent applications required to be disclosed by Section 6 of RFC3979)

A. For granted patents or published pending patent applications, please provide the following information:

Patent, Serial, Publication, Registration, or Application/File number(s), Date(s) granted or applied for, Country, and any additional notes: *

US20110299629
Date: 08/18/2010
Country: US
Notes: US20110299629 is a continuation-in-part of 12/604,773 and claims priority to 61/235,285, 61/353,910, and 61/257,146 and has foreign counterparts in BR, CA, CN, EP, HK, ID, IN, JP, KR, MY, PH, RU, TH, TW, ZA

B. This disclosure relates to an unpublished pending patent application.

'VI'. Licensing Declaration

The Patent Holder states that its position with respect to licensing any patent claims contained in the patent(s) or patent application(s) disclosed above that would necessarily be infringed by implementation of a technology required by a relevant IETF specification ("Necessary Patent Claims"), for the purpose of implementing such specification, is as follows (select one licensing declaration option only):

- a) No License Required for Implementers
- b) Royalty-Free, Reasonable and Non-Discriminatory License to All Implementers
- c) Reasonable and Non-Discriminatory License to All Implementers with Possible Royalty/Fee
- d) Licensing Declaration to be Provided Later (implies a willingness to commit to the provisions of a), b), or c) above to all implementers; otherwise, the next option 'Unwilling to Commit to the Provisions of a), b), or c) Above'. - must be selected)
- e) Unwilling to Commit to the Provisions of a), b), or c) Above
- f) See Text Below for Licensing Declaration

Above licensing declaration is limited solely to standards-track IETF documents.

Licensing information, comments, notes, or URL for further information:

If the technology in RFC6330 "RaptorQ Forward Error Correction Scheme for Object Delivery" is included in a standards track or experimental document adopted by the IETF, and any claim of any patent issued from the above mentioned patents, patent applications or corresponding patents and patent applications is required for the implementation of any device that (a) fully implements such adopted standards track or experimental document; and (b) implements a wireless wide-area standard (for example, a UMTS-compatible handset or Infrastructure equipment), Qualcomm will offer licenses to such claim as part of its established licensing terms and conditions for such

The individual submitting this template represents and warrants that all terms and conditions that must be satisfied for implementers of any covered IETF specification to obtain a license have been disclosed in this IPR disclosure statement.

Note: The individual submitting this template represents and warrants that he or she is authorized by the Patent Holder to agree to the above-selected licensing declaration.

"VII". Contact Information of Submitter of this Form (if different from the Contact Information above)

Same as in section II above:

Name: Thomas R. Rouse *

Email: ip.disclosure@qualcomm.com *

"VIII". Other Notes:

Qualcomm Incorporated has acquired Digital Fountain and all owned IPR.

Submit

From: [IETF Secretariat](#)
To: [ip.disclosure](#)
Cc: [Rouse, Tom](#); [ip.disclosure](#)
Subject: Posting of IPR Updated Disclosure
Date: Friday, March 20, 2015 1:45:34 PM

Dear Thomas R. Rouse:

Your IPR disclosure entitled QUALCOMM Incorporated's Statement about IPR related to RFC 6330 has been posted on the "IETF Page of Intellectual Property Rights Disclosures" (<https://datatracker.ietf.org/ipr/>).

Your IPR disclosure updates:

IPR disclosure ID #1958, "QUALCOMM Incorporated's Statement about IPR related to RFC 6330", which was posted on

Thank you

IETF Secretariat

Appendix B IPR Licensing Declaration

This declaration is given on November 2 2007

By: QUALCOMM Incorporated

To the Open Mobile Alliance Ltd. of England (the "OMA")

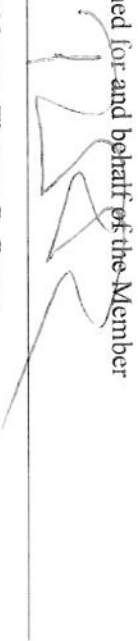
The Member has notified OMA that it (or one of its Affiliates) is the proprietor of the intellectual property rights listed in Appendix A (the "Essential IPR") and has informed OMA that it believes that the Essential IPR is essential to the Specifications also listed in Appendix A, as the term "Essential IPR" is defined in the Application Form for membership in OMA.

The Member and/or its Affiliate(s) hereby declare that it is/they are prepared to grant licenses to use the Essential IPR in respect of a Specification on terms and conditions which are in accordance with the Application Form.

The construction, validity and performance of this declaration shall be governed by, and construed in accordance with, the laws of England and Wales.

Signed for and behalf of the Member

By



Print Name: Thomas R. Rouse

Position VP, Chief Patent Counsel

QUALCOMM Incorporated	Distributing Content to Multiple Support Service Entities and Content Packagers	US-2007-0055629		OMA-TS-DCD_Semantics-V1_0	United States; Argentina, Thailand, Taiwan, PCT
QUALCOMM Incorporated	Conveying Schedules to Mobile Terminals	US-2006-0245441		OMA-TS-DCD_Semantics-V1_0	United States; Brazil, Canada, China, EPO, India, Japan, South Korea, Russian Federation, Singapore, Taiwan
QUALCOMM Incorporated	Delivering Regional Parameters	US-2007-0115736		OMA-TS-DCD_Semantics-V1_0	United States; PCT
QUALCOMM Incorporated	METHOD AND APPARATUS FOR ENCRYPTING/DECRYPTING MULTIMEDIA CONTENT TO ALLOW RANDOM ACCESS	US-2007-0016802		OMA-TS-DRM_XBS-V1_0	United States; Taiwan, PCT

Signed by:



Thomas R. Rouse
 VP, Chief Patent Counsel
 QUALCOMM Incorporated

Notes: ⁽¹⁾ Delete as appropriate.
 Following completion, this form should be forwarded to the General Manager of Operations of the Open Mobile Alliance.

Appendix A IPR Information Statement

This statement is made on November 2, 2007 by Thomas R. Rouse, representative of QUALCOMM Incorporated, a Member of the Open Mobile Alliance Ltd ("OMA"). In accordance with the OMA Application Form, I hereby inform OMA it is the belief of the undersigned, signing on behalf of the Member, that the following IPR's are, or likely to become, Essential IPR's in relation to the draft technical specification/Specification ⁽¹⁾ identified as: OMA-TS-BCAST_BCMCS_Adaptation-V1_0, OMA-TS-BCAST_SvcCntProtection-V1_0; OMA-TS-BCAST_Distribution; OMA-TS-BCAST_Service_Guide-V1_0; OMA-TS-BCAST_Distribution; OMA-TS-DCD_Semantics-V1_0; V1_0

IPR INFORMATION STATEMENT

Company	Title	Appl. #	Patent #	Specification reference, impacted paragraph	Countries
QUALCOMM Incorporated	Method and Apparatus for Security in a Data Processing System	09/933,972		OMA-TS-BCAST_BCMCS_Adaptation-V1_0, OMA-TS-BCAST_SvcCntProtection-V1_0	United States; Brazil; Canada, China; EPO; Hong Kong; India; Japan; South Korea; Mexico; Taiwan
QUALCOMM Incorporated	Method and Apparatus for Security in a Data Processing System	09/933,972		OMA-TS-BCAST_BCMCS_Adaptation-V1_0, OMA-TS-BCAST_SvcCntProtection-V1_0	United States; Brazil; Canada, China; EPO; Hong Kong; India; Japan; South Korea; Mexico; Taiwan
QUALCOMM Incorporated	Method and Apparatus for Security in a Data Processing System	09/973,301		OMA-TS-BCAST_BCMCS_Adaptation-V1_0, OMA-TS-BCAST_SvcCntProtection-V1_0	United States; Australia; Brazil; Canada; China; EPO; Hong Kong; Indonesia; India; Israel; Japan; South Korea; Mexico; Russian Federation; Singapore; Taiwan

QUALCOMM Incorporated	Apparatus and Method for a Secure Broadcast System	10/870,303		OMA-TS-BCAST_BCMCS_Adaptation-V1_0, OMA-TS-BCAST_SyncCtrlProtection-V1_0	United States; Australia; Brazil; Canada; China; EPO; Hong Kong; Israel; India; Japan; South Korea; Mexico; Malaysia; Philippines; Russian Federation; Singapore; Thailand; Taiwan; Vietnam
QUALCOMM Incorporated	METHOD AND APPARATUS FOR OPTIMUM FILE TRANSFERS IN A TIME-VARYING NETWORK ENVIRONMENT	11/120,583		OMA-TS-BCAST_Distribution	United States
QUALCOMM Incorporated	Method and Apparatus for Broadcast Signaling in a Wireless Communication System	09/933,914		OMA-TS-BCAST_Service_Guide-V1_0	United States; Brazil; EPO; Hong Kong; Japan; Taiwan
QUALCOMM Incorporated	METHODS AND APPARATUS FOR PROVIDING HIERARCHICAL CONTENT FLOW IN A DATA NETWORK	11/112,238		OMA-TS-BCAST_Service_Guide-V1_0	United States; Chile; EPO; Hong Kong; Japan; Peru; Thailand
QUALCOMM Incorporated	METHOD AND APPARATUS FOR PROGRAMMING BLACKOUT AND RETUNE	11/122,493		OMA-TS-BCAST_Service_Guide-V1_0	United States; Argentina; Chile; Canada; China; EPO; Hong Kong; India; Japan; South Korea; Taiwan
QUALCOMM Incorporated	METHODS AND APPARATUS FOR BLACKOUT, RETUNE AND SUBSCRIPTION ENFORCEMENT IN A CELLULAR NETWORK	11/116,891		OMA-TS-BCAST_Service_Guide-V1_0	United States; Argentina; Canada; Chile; China; EPO; Hong Kong; India; Japan; south Korea; Malaysia; Thailand; Taiwan

	MULTIMEDIA DISTRIBUTION SYSTEM					
QUALCOMM Incorporated	HIERARCHICAL PROGRAM PACKAGES FOR USER TERMINAL SUBSCRIBABLE SERVICES	11/120,584		OMA-TS-BCAST_Service_Gui de-V1_0	United States; Canada; Chile; China; EPO; Hong Kong; India; Japan; South Korea; Malaysia; Thailand; Taiwan	
QUALCOMM Incorporated	METHOD AND APPARATUS FOR RANKING OF MEDIA SERVICES AND PROGRAM PACKAGES	11/120,512		OMA-TS-BCAST_Service_Gui de-V1_0	United States; Argentina; Canada; Chile; China; EPO; Hong Kong; India; Japan; South Korea; Taiwan	
QUALCOMM Incorporated	METHODS AND APPARATUS FOR PROVIDING PROGRAM GUIDE STATE INFORMATION TO DEVICE	11/111,050		OMA-TS-BCAST_Service_Gui de-V1_0	United States; Argentina; Australia; Brazil; Canada; Chile; China; EPO; Hong Kong; Israel; India; Japan; South Korea; Mexico; Philippines; Russian Federation; Singapore; Taiwan; Vietnam	
QUALCOMM Incorporated	METHODS AND APPARATUS FOR CREATION AND TRANSPORT OF MULTIMEDIA CONTENT FLOWS TO A DISTRIBUTION NETWORK	11/298,279		OMA-TS-BCAST_Service_Gui de-V1_0	United States; Argentina; Canada; Chile; China; EPO; Hong Kong; India; Japan; South Korea; Taiwan	
QUALCOMM Incorporated	METHODS AND APPARATUS FOR SIMULTANEOUSLY HOSTING MULTIPLE SERVICE PROVIDERS ON A NETWORK	11/139,302		OMA-TS-BCAST_Service_Gui de-V1_0	United States; Brazil; Canada; China; EPO; India; Japan; South Korea; Malaysia; Singapore; Russian Federation; Taiwan	

QUALCOMM Incorporated	METHODS AND APPARATUS FOR SUBSCRIBING TO MULTIMEDIA DELIVERY SERVICES IN A DATA NETWORK	11/186,153		OMA-TS-BCAST_Service_Guide-V1_0	United States; Argentina; Brazil; Canada; China; EPO; Hong Kong; Israel; India; Japan; South Korea; Mexico; Philippines; Russian Federation; Taiwan; Vietnam	
QUALCOMM Incorporated	METHODS AND APPARATUS FOR DISTRIBUTING CONTENT TO SUPPORT MULTIPLE CUSTOMER SERVICE ENTITIES AND CONTENT PACKAGERS	11/270,199		OMA-TS-BCAST_Service_Guide-V1_0	United States; Argentina; Thailand; Taiwan; PCT	
QUALCOMM Incorporated	APPARATUS AND METHODS OF OPEN AND CLOSED PACKAGE SUBSCRIPTION	US-2007-0061680		OMA-TS-BCAST_Service_Guide-V1_0	United States; Chile; Taiwan; PCT	
QUALCOMM Incorporated	Apparatus and Methods of Distributing Content and Receiving Selected Content Based on User Personalization Information	US 2007-0204004		OMA-TS-BCAST_Service_Guide-V1_0	United States; Chile; Taiwan; PCT	
QUALCOMM Incorporated	Method and Apparatus for Out-of-Band Transmission of Broadcast Service Option in a Wireless Communication System	US-2002-0141447		OMA-TS-BCAST_Service_Guide-V1_0, OMA-TS-BCAST_Distribution	United States; Brazil, Canada, China, Germany, EPO, France, Great Britain, Hong Kong, South Korea, Mexico, Taiwan	

QUALCOMM Incorporated	Method and Apparatus for Providing Protocol Options in a Wireless Communication System	US-2002-0141365		OMA-TS-BCAST_Service_Guide-V1_0, OMA-TS-BCAST_Distribution	United States; Brazil, China, EPO, Hong Kong, Japan, South Korea, Taiwan
QUALCOMM Incorporated	METHOD AND APPARATUS FOR ENHANCED FILE DISTRIBUTION IN MULTICAST OR BROADCAST	US-200600248090		OMA-TS-BCAST_Service_Guide-V1_0, OMA-TS-BCAST_Distribution	United States; China, India, EPO, Japan; South Korea; Malaysia; Taiwan
QUALCOMM Incorporated	System and Method for Controlling Broadcast Multimedia Using Plural Wireless Network Connections	US-2004-0142661		OMA-TS-BCAST_Service_Guide-V1_0, OMA-TS-BCAST_Services	United States; Australia, Brazil, China, EPO, Hong Kong, Israel, India, Japan, South Korea, Mexico, Russian Federation
QUALCOMM Incorporated	METHODS AND APPARATUS FOR HYBRID MULTIMEDIA PRESENTATIONS	US-2006-0174314		OMA-TS-BCAST_Service_Guide-V1_0, OMA-TS-BCAST_Services	United States; Argentina, Canada, China, EPO, Hong Kong, India, Japan, South Korea, Taiwan
QUALCOMM Incorporated	A METHOD AND APPARATUS FOR DELIVERING KEYS	US-2006-0013401		OMA-TS-BCAST_SvcCnProtection-V1_0	United States; Australia, Brazil, Canada, China, EPO, Hong Kong, Israel, India, Japan, South Korea, Mexico, Malaysia, Philippines, Russian Federation; Thailand, Singapore, Vietnam
QUALCOMM Incorporated	Provisioning a Mobile Device in a Wireless Communication System.		6,950,660	OMA-TS-BCAST_SvcCnProtection-V1_0, OMA-TS-BCAST_Services	United States; Brazil, China, EPO, Hong Kong, Japan, South Korea, Taiwan
QUALCOMM Incorporated	Subscription to Multimedia Delivery Services in a Data Network	US-2006-0112182		OMA-TS-DCCD_Semantics-V1_0	United States; Argentina, Australia, Brazil, China, Canada, EPO, Hong Kong, Israel, India, Japan, South Korea, Mexico, Philippines, Russian Federation; Singapore, Taiwan, Vietnam

From: Young, Stephanie
Sent: Thursday, November 08, 2007 9:49 AM
To: 'snewberry@omaorg.org'
Cc: Tiedemann, Edward; Hill, Tony; Baker, Kent; Hoyer, Susan; Staskauskas, Mark; Cole, Nick;
Subject: Qualcomm Incorporated's IPR Information Statement

Dear Mr. Newberry:

Attached please find Qualcomm Incorporated's IPR Information Statement for the draft technical specifications identified as: OMA-TS-BCAST_BCMCS_Adaptation-V1_0, OMA-TS-BCAST_SvcNtProtection-V1_0; OMA-TS-BCAST_Distribution; OMA-TS-BCAST_Service_Guide-V1_0; OMA-TS-BCAST_Distribution; and OMA-TS-DCD_Semantics-V1_0; V1_0.

Please confirm receipt via return email at your earliest convenience. If you have any questions or concerns please contact Tom Rouse directly at 858-651-6732.

Stephanie F. Young
Legal Analyst
Intellectual Property Group
QUALCOMM Legal Department

QUALCOMM Incorporated
5775 Morehouse Drive
San Diego, CA 92121-1714
Phone: (858) 658-4851
Fax: (858) 658-2503
Mobile: (858) 243-3018

<http://www.qualcomm.com>

ATTORNEY-CLIENT PRIVILEGED COMMUNICATION/CONFIDENTIAL ATTORNEY WORK PRODUCT

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QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
(858) 587-1121

www.qualcomm.com

April 6, 2011

Via Facsimile and Email

General Manager, Seth Newberry
Open Mobile Alliance, Ltd.
4330 La Jolla Village Dr.,
Suite 110
San Diego, CA 92122
Facsimile: 1-858-623-0743
Email: snewberry@omaorg.org

Re: QUALCOMM Incorporated's IPR Declaration of April 6, 2011 for
OMA-TS-ULP-V2_0, OMA-AD-SUPL-V2_0, OMA-TS-BCAST_Service_Guide-V1_1, OMA-TS-
BCAST_Services-V1_1, OMA SUPL 2.0, OMA LPPe OMA-TS-LPPe-v1_0, OMA-AD-SUPL-V1_0,
OMA-TS-BCAST_Service_Guide-V1_1, OMA-TS-BCAST_Services-V1_1, OMA-TS-
BCAST_SvcCntProtection-V1_1, OMA-TS-BCAST_Distribution-V1_1, OMA-TS-
BCAST_BCMCS_Adaptation-V1_1, OMA-TS-BCAST_DVB_Adaptation-V1_1, OMA-TS-
BCAST_DVBSH_Adaptation-V1_1, OMA-TS-BCAST_FLO_Adaptation-V1_1, OMA-TS-
BCAST_MBMS_Adaptation-V1_1, OMA-TS-BCAST_WiMAX_Adaptation-V1_1, OMA T-TS-ULT-v3
B_0, OMA MLP: OMA-LIF-MLP-V3_1, OMA MLP: OMA-TS-MLP-V3_2, OMA MLP: OMA-TS-MLP-
V3_3, and OMA TS SUPL 2

Dear Mr. Newberry:

Attached please find Qualcomm Incorporated's Appendix A IPR information statement and Appendix B
IPR Licensing Declaration for OMA-TS-ULP-V2_0, OMA-AD-SUPL-V2_0, OMA-TS-BCAST_Service_Guide-
V1_1, OMA-TS-BCAST_Services-V1_1, OMA SUPL 2.0, OMA LPPe OMA-TS-LPPe-v1_0, OMA-AD-SUPL-
V1_0, OMA-TS-BCAST_Service_Guide-V1_1, OMA-TS-BCAST_Services-V1_1, OMA-TS-
BCAST_SvcCntProtection-V1_1, OMA-TS-BCAST_Distribution-V1_1, OMA-TS-BCAST_BCMCS_Adaptation-
V1_1, OMA-TS-BCAST_DVB_Adaptation-V1_1, OMA-TS-BCAST_DVBSH_Adaptation-V1_1, OMA-TS-
BCAST_FLO_Adaptation-V1_1, OMA-TS-BCAST_MBMS_Adaptation-V1_1, OMA-TS-
BCAST_WiMAX_Adaptation-V1_1, OMA T-TS-ULT-v3 B_0, OMA MLP: OMA-LIF-MLP-V3_1, OMA MLP:
OMA-TS-MLP-V3_2, OMA MLP: OMA-TS-MLP-V3_3, and OMA TS SUPL 2.



5775 Morehouse Drive San Diego, CA 92121-1714 (858) 658-2132 Fax: (858) 658-2502

Please confirm receipt of this declaration at your earliest convenience via email to my attention at trouse@qualcomm.com. If you have any questions or concerns, please contact me directly at 858-587-1121. Thank you for your continued time and assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'TRR', written over a light blue horizontal line.

Thomas R. Rouse
VP, QTL Patent Counsel
Qualcomm Incorporated

TR/jm

Appendix A IPR Information Statement

This statement is made on April 6, 2011 by Thomas R. Rouse, representative of QUALCOMM Incorporated, a Member of the Open Mobile Alliance Ltd ("OMA"). In accordance with the OMA Application Form, I hereby inform OMA it is the belief of the undersigned, signing on behalf of the Member, that the following IPR's are, or likely to become, Essential IPR's in relation to the draft technical specification/Specification (1) identified as OMA-TS-UPL-V2_0, OMA-AD-SUPL-V2_0, OMA-TS-BCAST_Service_Guide-V1_1, OMA-TS-BCAST_SvcContProtection-V1_1, OMA-TS-BCAST_Distribution-V1_1, OMA-TS-AD-SUPL-V1_0, OMA-TS-BCAST_Service_Guide-V1_1, OMA-TS-BCAST_SvcContProtection-V1_1, OMA-TS-BCAST_FLO_Adaptation-V1_1, OMA-TS-BCAST_MBMS_Adaptation-BCAST_BCMCS_Adaptation-V1_1, OMA-TS-BCAST_DVB_Adaptation-V1_1, OMA-TS-BCAST_DVBSH_Adaptation-V1_1, OMA-TS-MLP-V3_2, OMA MLP: OMA-TS-MLP-V3_3, and OMA TS SUPL V1_1, OMA-TS-BCAST_WIMAX_Adaptation-V1_1, OMA T-TS-ULT-v3 B_0, OMA MLP: OMA-LIF-MLP-V3_1, OMA MLP: OMA-TS-MLP-V3_2, OMA MLP: OMA-TS-MLP-V3_3, and OMA TS SUPL 2.

Company	Title	Country	Appl. #	Patent #	Specification reference, impacted paragraph	Countries Applicable
QUALCOMM Incorporated	Method and Apparatus for Acquiring Satellite Positioning System Signals	United States of America	09/132,556	6,133,874	OMA-TS-UPL-V2_0: chapter 5.1, 5.2	AU, BE, BR, CA, CA, CN, DE, EP, ES, FI, FR, GB, HK, ID, IE, IL, IN, IT, JP, KR, MX, NL, SE, SG
QUALCOMM Incorporated	Method and Apparatus for Satellite Positioning System (SPS) Time Measurement	United States of America	09/989,370	6,583,757	OMA-TS-UPL-V2_0: chapter 5	AU, BE, BR, CA, CN, DE, EP, ES, FI, FR, GB, HK, IE, IN, IT, JP, KR, MX, NL, SE, US
QUALCOMM Incorporated	Location reporting with secure user plane location (SUPL)	United States of America	11/510,332	PENDING	OMA-AD-SUPL-V2_0: sections 5.4.5, 5.4.6, 5.4.11 OMA-TS-UPL-V2_0: sections 5.1.7, 5.1.8, 5.1.9, 5.1.10, 5.1.11, 5.1.13, 5.2.8, 5.2.9, 5.2.10, 5.2.11, 9.2.10, 9.2.11, 9.2.15, 10.20, 10.25.	AU, BR, CA, CN, EP, ID, IN, JP, KR, MX, RU, SG
QUALCOMM Incorporated	Method for secure user plane (SUPL) version negotiation	United States of America	12/189,738	PENDING	OMA-TS-UPL-V2_0: section 7	AU, BR, CA, CN, EP, HK, ID, IL, IN, JP, KR, MX, MY, NZ, PH, RU, SG, TW, UA, VN
QUALCOMM Incorporated	Location and time based filtering of broadcast information	United States of America	12/244,654	PENDING	OMA-TS-BCAST_Service_Guide-V1_1: 5.1.2.1, 5.1.2.3 OMA-TS-BCAST_Services-V1_1: 5.1.2.1; 5.1.2.3	AU, BR, CA, CN, EP, HK, ID, IL, IN, JP, KR, MX, MY, NZ, PH, RU, SG, TW, UA, VN
QUALCOMM Incorporated	Method and apparatus for using service capability information for user plane location	United States of America	12/248,815	PENDING	OMA-TS-UPL-V2_0: 5.1.7, 5.1.8, 5.1.9, 5.1.10, 5.1.18, 5.1.11, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 5.1.7	AU, BR, CA, CN, EP, ID, IL, IN, JP, KR, MX, MY, NZ, PH, RU, SG, TW, UA, VN
QUALCOMM Incorporated	Method and apparatus for performing session info query for user plane location	United States of America	12/263,225	PENDING	OMA SUPL 2.0: 5.1.18	AU, BR, CA, CN, EP, ID, IL, IN, JP, KR, MX, MY, NZ, PH, RU, SG, TW, UA, VN
QUALCOMM Incorporated	Methods and apparatuses for controlling distribution of location information	United States of America	10/961,986	7,570,958	OMA-TS-UPL-V2_0: chapters 5.2.14 and 5.2.15	AU, CA, CN, DE, EP, FR, GB, HK, IL, IN, JP, JP, KR

QUALCOMM Incorporated	Method and Apparatus for Determining the Position Location Using Reduced Number of GPS Satellites and Synchronized and Unsynchronized Base Stations	United States of America	09/430,618	6,353,412	OMA-TS-UPL-V2_0: chapter 5	BR, CA, CN, EP, EP, HK, ID, IN, JP, MX
QUALCOMM Incorporated	Method and apparatus for supporting location services with roaming	United States of America	11/564,680	PENDING	OMA-TS-UPL-V2_0: 5.1.4, 5.1.9.2, 5.1.11.2, 5.2.4, 5.2.10.2	BR, CA, CN, EP, IN, JP, KR, KR, RU, SG, TW
QUALCOMM Incorporated	Generic positioning protocol	United States of America	12/416,348	PENDING	OMA-TS-LPPE-v1_0, applicable to almost all sections	BR, CA, CN, EP, IN, JP, KR, RU, SG, TW, US
QUALCOMM Incorporated	Method and Apparatus for Performing Position Determination with a Short Circuit Call Flow	United States of America	10/561,801	7,421,277	OMA-TS-UPL-V2_0: all chapters of 5.1.11, 5.1.13, 5.1.14, 5.1.16 and 5.1.17. OMA-AD-SUPL-V1_0: 6.8 except for 6.8.7	BR, IL, IN, IN, KR, SG
QUALCOMM Incorporated	Geography-based filtering of broadcasts	United States of America	11/534,065	PENDING	OMA-TS-BCAST_Service_Guide-V1_1; section(s): 5.1.2.1 (page 33) Service 5.1.2.3 (page 59) OMA-TS-BCAST_Services-V1_1; section(s): Appendix F: Location Implementation (suggested minimal implementation); Section 5.14 (Notification Function) OMA-TS-BCAST_SvcCntrlProtection-V1_1; section(s): 6.7.3.15; 7.1.2 OMA-TS-BCAST_Distribution-V1_1 OMA-TS-BCAST_BCMCS_Adaptation-V1_1; section(s): 6.3.6 OMA-TS-BCAST_DVB_Adaptation-V1_1; section(s): 6.3.4.1.1 OMA-TS-BCAST_DVBSH_Adaptation-V1_1; section(s): 6.3.4.1.1 OMA-TS-BCAST_FLO_Adaptation-V1_1; section(s): 6.3.5.1 OMA-TS-BCAST_MBMS_Adaptation-V1_1; section(s): 7.3.5.1 OMA-TS-BCAST_WIMAX_Adaptation-V1_1; section(s): 6.3.5.1	CN, EP, EP, IN, JP, KR, KR, TW, BR, CA, CN, EP, EP, IN, JP, KR, KR, RU, SG
QUALCOMM Incorporated	Location logging and location and time based filtering	United States of America	12/636,037	PENDING	OMA-TS-BCAST_Service_Guide-V1_1; section(s): 5.1.2.1 (page 33) Service 5.1.2.3 (page 59) OMA-TS-BCAST_Services-V1_1; section(s): Appendix F: Location Implementation (suggested minimal implementation); Section 5.14 (Notification Function) OMA-TS-BCAST_SvcCntrlProtection-V1_1; section(s): 6.7.3.15; 7.1.2 OMA-TS-BCAST_Distribution-V1_1 OMA-TS-BCAST_BCMCS_Adaptation-V1_1; section(s): 6.3.6 OMA-TS-BCAST_DVB_Adaptation-V1_1; section(s): 6.3.4.1.1 OMA-TS-BCAST_DVBSH_Adaptation-V1_1; section(s): 6.3.4.1.1 OMA-TS-BCAST_FLO_Adaptation-V1_1; section(s): 6.3.5.1 OMA-TS-BCAST_MBMS_Adaptation-V1_1; section(s): 7.3.5.1 OMA-TS-BCAST_WIMAX_Adaptation-V1_1; section(s): 6.3.5.1	TW, WO
QUALCOMM Incorporated	Method and apparatus for supporting location services with a streamlined location service layer	United States of America	12/793,587	PENDING	OMA-TS-ULT-V3 B_0: preliminary section 5.3.5	TW, WO
QUALCOMM Incorporated	Method and apparatus for supporting positioning for terminals in a wireless network	United States of America	12/763,962	PENDING	OMA-TS-LPPE-v1_0, applicable to almost all sections	TW, WO
QUALCOMM Incorporated	Client-Server Based Remote Locator Device	United States of America	08/708,176	6,131,067	SUPL 2.0 (OMA-TS-UPL-V2_0); Section 5.1 SUPL Collaboration Network Initiated OMA MLP: OMA-LIF-MLP-V3_1; Sections 5: 5.1.1; 5.1.2; 5.2; 5.3 OMA MLP: OMA-TS-MLP-V3_2; Sections 5: 5.1.1; 5.1.2; 5.2; 5.3 OMA MLP: OMA-TS-MLP-V3_3; Sections 5: 5.1.1; 5.1.2; 5.2; 5.3	US

QUALCOMM Incorporated	Method and apparatus for using supported network information for positioning	United States of America	11/950,335	PENDING	OMA-TS_ULP-V2_0: all of chapter 5.1 except for 5.1.11, 5.1.13, 5.1.14, 5.1.16, 5.1.17. all of chapter 5.2 except for 5.2.12, 5.2.13, 5.2.16, 5.2.17.
QUALCOMM Incorporated	Positioning for WLANs and other wireless networks	United States of America	11/557,451	PENDING	OMA TS SUPL 2 section 10.11.7
QUALCOMM Incorporated	Positioning for WLANs and other wireless networks	United States of America	11/982,843	PENDING	OMA TS SUPL 2 section 10.11.7 et al.
QUALCOMM Incorporated	Method and apparatus for performing position determination with a short circuit call flow	United States of America	11/377,856	PENDING	OMA_TS_ULP-V2_0: 5.1.7, 5.1.9

Signed by:



Thomas R. Rouse
VP, QTL Patent Counsel
QUALCOMM Incorporated

Notes: (1) Delete as appropriate.
Following completion, this form should be forwarded to the General Manager of Operations of the Open Mobile Alliance.

Appendix B IPR Licensing Declaration

This declaration is given on April 6, 2011

By: QUALCOMM Incorporated

To the Open Mobile Alliance Ltd. of England (the "OMA")


The Member has notified OMA that it (or one of its Affiliates) is the proprietor of the intellectual property rights listed in Appendix A (the "Essential IPR") and has informed OMA that it believes that the Essential IPR is essential to the Specifications also listed in Appendix A, as the term "Essential IPR" is defined in the Application Form for membership in OMA.

The Member and/or its Affiliate(s) hereby declare that it is/they are prepared to grant licenses to use the Essential IPR in respect of a Specification on terms and conditions which are in accordance with the Application Form.

The construction, validity and performance of this declaration shall be governed by, and construed in accordance with, the laws of England and Wales.

Signed for and behalf of the Member

By



Print Name: Thomas R. Rouse

Position: VP, QTL Patent Counsel

 Print page |  Close

Detailed Results

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Signed for by: R. ROBATTI

Shipment Dates

Ship date: Apr 7, 2011
Delivery date: Apr 11, 2011 11:47 AM

Destination

LA JOLLA, CA
Signature Proof of Delivery

Shipment Options

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Hold at FedEx Location service is not available for this shipment

Shipment Facts

Service type	Standard Envelope	Delivered to	Shipping/Receiving
Weight	0.5 lbs./2 kg	Reference	DEPT 1092 0
		Purchase order	TX00022491
		number	

Shipment Travel History

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Date/Time	Activity	Location	Details
Apr 11, 2011 11:47 AM	Delivered	LA JOLLA, CA	
Apr 11, 2011 7:36 AM	On FedEx vehicle for delivery	SAN DIEGO, CA	
Apr 9, 2011 10:20 AM	At local FedEx facility	SAN DIEGO, CA	
Apr 8, 2011 7:14 PM	At local FedEx facility	SAN DIEGO, CA	
Apr 8, 2011 6:08 PM	At local FedEx facility	SAN DIEGO, CA	
Apr 8, 2011 2:09 PM	Delivery exception	SAN DIEGO, CA	Customer not available or business closed
Apr 8, 2011 8:37 AM	On FedEx vehicle for delivery	SAN DIEGO, CA	
Apr 8, 2011 7:17 AM	At local FedEx facility	SAN DIEGO, CA	
Apr 8, 2011 2:36 AM	Departed FedEx location	OAKLAND, CA	
Apr 7, 2011 10:53 PM	Arrived at FedEx location	OAKLAND, CA	
Apr 7, 2011 8:41 PM	At dest sort facility	SAN DIEGO, CA	
Apr 7, 2011 6:20 PM	Left FedEx origin facility	SAN DIEGO, CA	
Apr 7, 2011 4:15 PM	Picked up	SAN DIEGO, CA	
Apr 7, 2011 5:49 PM	Shipment information sent to FedEx		



QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
(858) 587-1121

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May 26, 2011

Via Facsimile and Email

General Manager, Seth Newberry
Open Mobile Alliance, Ltd.
4330 La Jolla Village Dr.,
Suite 110
San Diego, CA 92122
Facsimile: 1-858-623-0743
Email: snewberry@omaorg.org

Re: QUALCOMM Incorporated's IPR Declaration of May 26, 2011 for
OMA-SyncML-DMStdObj-V1_1_2; OMA-TS-DM_StdObj-V1_2_1; OMA-TS-BCAST_Service_Guide-
V1_1; OMA-TS-DCMO-V1_0; OMA-TS-DiagMon_Functions-V1_0; OMA-TS-DM_Protocol-V1_2;
OMA-TS-LAWMO-V1_0; OMA-TS-PushOTA-V2_2; OMA-TS-ULP-V2_0

Dear Mr. Newberry:

Attached please find Qualcomm Incorporated's Appendix A IPR information statement and Appendix B IPR Licensing Declaration for OMA-SyncML-DMStdObj-V1_1_2; OMA-TS-DM_StdObj-V1_2_1; OMA-TS-BCAST_Service_Guide-V1_1; OMA-TS-DCMO-V1_0; OMA-TS-DiagMon_Functions-V1_0; OMA-TS-DM_Protocol-V1_2; OMA-TS-LAWMO-V1_0; OMA-TS-PushOTA-V2_2; and OMA-TS-ULP-V2_0.

Please confirm receipt of this declaration at your earliest convenience via email to my attention at trouse@qualcomm.com. If you have any questions or concerns, please contact me directly at 858-587-1121. Thank you for your continued time and assistance.

Sincerely,

Thomas R. Rouse
VP, QTL Patent Counsel
Qualcomm Incorporated

TR/kv

Appendix A IPR Information Statement

This statement is made on May 26, 2011 by Thomas R. Rouse, representative of QUALCOMM Incorporated, a Member of the Open Mobile Alliance Ltd ("OMA"). In accordance with the OMA Application Form, I hereby inform OMA it is the belief of the undersigned, signing on behalf of the Member, that the following IPR's are, or likely to become, Essential IPR's in relation to the draft technical specification/Specification (1) identified as OMA-SyncML-DMSStdObj-V1_1_2; OMA-TS-DM_StdObj-V1_2_1; OMA-TS-BCAST_Service_Guide-V1_1; OMA-TS-DCMO-V1_0; OMA-TS-DiagMon_Functions-V1_0; OMA-TS-DM_Protocol-V1_2; OMA-TS-LAWMO-V1_0; OMA-TS-PushOTA-V2_2; and OMA-TS-ULP-V2_0.

Company	Title	Country	Appl. #	Patent #	Specification reference, impacted paragraph	Countries Applicable
QUALCOMM Incorporated	Apparatus and methods for secure architectures in wireless networks	United States of America	11/438,512	PENDING	OMA-TS-DM_Protocol-V1_2, section 9	CN, HK, EP, IN, JP, KR, TW
QUALCOMM Incorporated	Apparatus and methods for secure architectures in wireless networks	United States of America	11/438,512	PENDING	OMA-TS-DCMO-V1_0, section 5	CN, HK, EP, IN, JP, KR, TW
QUALCOMM Incorporated	Remote diagnosis of unauthorized hardware change	United States of America	12/207,981	PENDING	OMA-TS-DCMO-V1_0, section 9.2	
QUALCOMM Incorporated	Method and apparatus for optimization of SIGCOMP UDVM performance	United States of America	11/842,802	7,685,293	OMA-TS-PushOTA-V2_2, section 8	US
QUALCOMM Incorporated	Methods and apparatus for delivering auxiliary data to device	United States of America	12/419,184	PENDING	OMA-TS-DM_Protocol-V1_2, section 5	CN, EP, KR
QUALCOMM Incorporated	System and apparatus for power-efficiently delivering webpage contents in a broadcast network	United States of America	12/815,053	PENDING	OMA-TS-BCAST_Service_Guide-V1_1, applicable to sections throughout specification	WO
QUALCOMM Incorporated	Systems and methods for streamlining over-the-air and over-the-wire device management	United States of America	12/551,561	PENDING	OMA-TS-DM_Protocol-V1_2, section 8.8	
QUALCOMM Incorporated	Method and apparatus for network optimization using SON solutions	United States of America	12/819,745	PENDING	OMA-TS-DiagMon_Functions-V1_0, section 6	TW, WO
QUALCOMM Incorporated	Enhancement to diagnostic and monitoring trap object to send messages when trap no longer active	United States of America	61/420,184	PENDING	OMA-TS-DCMO-V1_0, section 5	

QUALCOMM Incorporated	System and method for reducing overhead of searcher tasks for discontinuous reception	United States of America	61/412,271	PENDING	OMA-SyncML-DMStdObj-V1_1_2, section 5.3.1	
QUALCOMM Incorporated	System and method for reducing overhead of searcher tasks for discontinuous reception	United States of America	61/412,271	PENDING	OMA-TS-DM_StdObj-V1_2_1, section 5.3.1	
QUALCOMM Incorporated	Location Based Service (LBS) System, Method and apparatus for authorization of mobile station LBS applications	United States of America	10/769,420	7,359,716	OMA-TS-UJLP-V2_0, section 10.36	BR, CA, CN, EP, HK, JP, KR, MX

Signed by: 

Thomas R. Rouse
 VP, QTL Patent Counsel
 QUALCOMM Incorporated

Notes: (1) Delete as appropriate.
 Following completion, this form should be forwarded to the General Manager of Operations of the Open Mobile Alliance.

Appendix B IPR Licensing Declaration

This declaration is given on May 26, 2011

By: QUALCOMM Incorporated

To the Open Mobile Alliance Ltd. of England (the "OMA")

The Member has notified OMA that it (or one of its Affiliates) is the proprietor of the intellectual property rights listed in Appendix A (the "Essential IPR") and has informed OMA that it believes that the Essential IPR is essential to the Specifications also listed in Appendix A, as the term "Essential IPR" is defined in the Application Form for membership in OMA.

The Member and/or its Affiliate(s) hereby declare that it is/they are prepared to grant licenses to use the Essential IPR in respect of a Specification on terms and conditions which are in accordance with the Application Form.

The construction, validity and performance of this declaration shall be governed by, and construed in accordance with, the laws of England and Wales.

Signed for and behalf of the Member

By _____

Print Name: Thomas R. Rouse

Position: VP, QTL Patent Counsel



QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
858-587-1121

www.qualcomm.com

January 26, 2012

Via Facsimile and Email

General Manager, Seth Newberry
Open Mobile Alliance, Ltd.
4330 La Jolla Village Dr.,
Suite 110
San Diego, CA 92122
Facsimile: 1-858-623-0743
Email: snewberry@omaorg.org

Re: QUALCOMM Incorporated's IPR Declaration of January 26, 2012 for OMA-AD-BCAST-V1_1, OMA-TS-BCAST_Service_Guide-V1_1, OMA-TS-BCAST_Services-V1_1, OMA-TS-DiagMonTrapMOFrame-V1_2, OMA-TS-LAWMO-V1_0, OMA-TS-ULP-V3_0

Dear Mr. Newberry:

Attached please find Qualcomm Incorporated's Appendix A IPR information statement and Appendix B IPR Licensing Declaration for OMA-AD-BCAST-V1_1, OMA-TS-BCAST_Service_Guide-V1_1, OMA-TS-BCAST_Services-V1_1, OMA-TS-DiagMonTrapMOFrame-V1_2, OMA-TS-LAWMO-V1_0, OMA-TS-ULP-V3_0.

Please confirm receipt of this declaration at your earliest convenience via email to my attention at trowse@qualcomm.com. If you have any questions or concerns, please contact me directly at 858-587-1121. Thank you for your continued time and assistance.

Sincerely,

Thomas R. Rouse
VP, QTL Patent Counsel
Qualcomm Incorporated

TR/jm

Appendix A IPR Information Statement

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Company	Title	Country	Appl. #	Patent #	Specification reference, impacted paragraph	Countries Applicable
QUALCOMM Incorporated	Hierarchical program packages for user terminal subscribable services	United States	11/120,584		OMA-AD-BCAST-V1_1, 5.4.7.1.8, 5.4.7.19	CN, EP, HK, IN, JP, KR, MY, TW, TH
QUALCOMM Incorporated	Methods and apparatus for providing content information to content servers	United States	11/186,161		OMA-TS-BCAST_Service_Guide-V1_1, 5.4, 5.5	CL, CN, EP, HK, IN, JP, KR
QUALCOMM Incorporated	Systems and methods for distributing and redeeming credits on a broadcast system	United States	12/417,493		OMA-TS-BCAST_Service_V1_1, 5.22	CN, EP, KR, MY

QUALCOMM Incorporated	System and apparatus for power-efficiently delivering personalized contents in a broadcast network	United States	12/565,581		OMA-TS-BCAST_Service_Guide-V1_1, 5.1	WO, TW
QUALCOMM Incorporated	Methods and systems for broadcasting media content based on user input	United States	12/556,466		OMA-AD-BCAST-V1_1, 5.4.7.1.8; OMA-TS-BCAST_Service-V1_1, 5.1.2.	CN, KR
QUALCOMM Incorporated	Systems and methods for monitoring and tracking broadcast service point usage	United States	12/686,664		OMA-AD-BCAST-V1_1, 5.4.11; OMA-TS-BCAST_Service_Guide-V1_1, 5.1.2; OMA-TS-BCAST_Service-V1_1, 5.20	WO, TW

QUALCOMM Incorporated	Method and apparatus for supporting location services with a streamlined location service layer	United States	12/793,587		OMA-TS-ULP-V3_0, 5.3.5	AU, CN, EP, IN, ID, IL, MY, MX, WO, PH, SG, ZA, TW, TH, VN
QUALCOMM Incorporated	Apparatus and method of adaptive questioning and recommending	United States	12/948,751		OMA-TS-DiagMonTrapMO Frame-V1_2, 6.2	WO
QUALCOMM Incorporated	SUPL 3.0 concept	United States	13/081,396		OMA-TS-ULP-V3_0, 5.3.5	AR, WO, TW
QUALCOMM Incorporated	Method and apparatus for detecting and dealing with a lost electronics device	United States	13/183,311		OMA-TS-LAWMO-V1_0, 6	
QUALCOMM Incorporated	Methods and apparatus for sampling usage information from a pool of terminals in a data network	United States	12/057,026		OMA-TS-BCAST_Service_Guide-V1_1, 5.1.2; OMA-TS-BCAST_Services-V1_1, 5.20	CN, KR

QUALCOMM Incorporated	Systems and methods for distributing and redeeming credits on a broadcast system	United States	12/630,770	OMA-TS-BCAST_Services-V1_1, 5.22	CN, EP, KR
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Signed by: 

Thomas R. Rouse
 VP, QTL Patent Counsel
 QUALCOMM Incorporated

Notes: ⁽¹⁾ Delete as appropriate.
 Following completion, this form should be forwarded to the General Manager of Operations of the Open Mobile Alliance.

Appendix B IPR Licensing Declaration

This declaration is given on January 26, 2012

By: QUALCOMM Incorporated

To the Open Mobile Alliance Ltd. of England (the "OMA")

The Member has notified OMA that it (or one of its Affiliates) is the proprietor of the intellectual property rights listed in Appendix A (the "Essential IPR") and has informed OMA that it believes that the Essential IPR is essential to the Specifications also listed in Appendix A, as the term "Essential IPR" is defined in the Application Form for membership in OMA.

The Member and/or its Affiliate(s) hereby declare that it is/they are prepared to grant licenses to use the Essential IPR in respect of a Specification on terms and conditions which are in accordance with the Application Form.

The construction, validity and performance of this declaration shall be governed by, and construed in accordance with, the laws of England and Wales.

Signed for and behalf of the Member

By _____

Print Name: Thomas R. Rouse

Position: VP, QTL Patent Counsel