



Memorandum

DATE: 2 September 2005
TO: Mark Richer, ATSC President
CC: Patrick Harshman, President Harmonic CSD
FROM: J. Patrick Waddell, Harmonic's ATSC Representative
SUBJECT: Required Patent Disclosure per ATSC B/04

It is my duty to disclose that Harmonic believes it holds an Essential Claim, as defined in ATSC Document B/04, on a portion of the SMPTE VC-1 Bitstream Specification.

As required by B/04, we identify our claim and state that it will be made available under reasonable and non-discriminatory terms as defined in Section 1 of B/04. We have not determined if we will comply with either 1a or 1b terms.

The Patent in question is United States Patent Number US 6,463,102 B1, issued to Elliot Linzer, and assigned to Harmonic. We believe it applies to Table 14 and to Section 7.1.1.31 of SMPTE 421M, "VC-1 Compressed Video Bitstream Format and Decoding Process."

Our Patent covers "border processing" where the edges of the picture may be quantized at a different level than the center of the picture. Section 7.1.1.31 defines the semantics of that very process within the VC-1 Specification.