LETTER OF ASSURANCE FOR ESSENTIAL PATENT CLAIMS

Please return via mail. PatCom Administrator, IEEE-SA Standards Board Patent Committee Institute of Electrical and Electronics Engineers, Inc. e-mail (as a PDF), or fax: 445 Hoes Lane Piscataway, NJ 08854 USA FAX (+1 732-875-0524) e-mail: patcom@ieee.org No license is implied by submission of this Letter of Assurance A. SUBMITTE Legal Name: ("Submitter") B. SUBMITTER'S CONTACT INFORMATION (for the purpose of licensing information): Contact Name/Title: Department: Address: anada Telephone: URL: Note: The IEEE does not endorse the content, or confirm the accuracy or consistency of any contact information or web site listed above. C. IEEE STANDARD OR PROJECT (e.g., AMENDMENT, CORRIGENDA, OR REVISION): In accordance with Clause 6.3.5 of the IEEE-SA Standards Board Operations Manual, this licensing position is limited to the following: Standard/Project Number: D. SUBMITTER'S POSITION REGARDING LICENSING OF ESSENTIAL PATENT CLAIMS: In accordance with Clause 6 of the IEEE-SA Standards Board Bylaws, the Submitter hereby declares the following (Check box 1 or box 2 below): Note: Nothing in this Letter of Assurance shall be interpreted as giving rise to a duty to conduct a patent search. The IEEE takes no position with respect to the validity or essentiality of Patent Claims or the reasonableness of rates, terms, and conditions of any license agreements offered by the Submitter. The Submitter may own, control, or have the ability to license Patent Claims that might be or become Essential Patent Claims. With respect to such Essential Patent Claims, the Submitter's licensing position is as follows (must check a, b, c, or d and any applicable subordinate boxes): a. The Submitter will grant a license without compensation to an unrestricted number of applicants on a worldwide basis with reasonable terms and conditions that are demonstrably free of unfair discrimination. (Optional) A sample of such a license (or material licensing terms) that is substantially similar to what the Submitter would offer is attached. b. The Submitter will grant a license under reasonable rates to an unrestricted number of applicants on a worldwide basis with reasonable terms and conditions that are demonstrably free of unfair discrimination. (Optional) These reasonable rates will not exceed

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With respect to any Essential Patent Claims that an Affiliate has the ability to license, the Submitter agrees that (i) be licensing positions described in parts C and D above apply to any Essential Patent Claims within the scope of the surance described in part E; and (ii) the terms of this assurance are binding on each such Affiliate; provided, owever, that such representations and commitments shall not apply to Affiliates identified below:
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1 May 2007

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G. SIGNATURE:

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The Submitter agrees (a) to provide notice of a Letter of Assurance either through a Statement of Encumbrance or by binding any assignee or transferee to the terms of such Letter of Assurance; and (b) to require its assignee or transferee to (i) agree to similarly provide such notice and (ii) to bind its assignees or transferees to agree to provide such notice as described in (a) and (b).

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Print name of authorized person: <u>Bnan Rivers</u>
Title of authorized person: Vice President of Licensing
Signature of authorized person: 3 7 Date: 4/21/07
Address: 305 Phillip St. Waterloo, ON NZL 3W8 Canada
Phone: 519-888-7465 E-mail: brivers orim. com

Note: This assurance applies from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable upon acceptance by the IEEE-SA.

The IEEE Patent Policy and the procedures used to execute that policy are documented in the IEEE-SA Standards Board Bylaws and the IEEE-SA Standards Board Operations Manual, available at http://standards.ieee.org/resources/index.html#guides. The terms and definitions set forth in the IEEE Patent Policy, IEEE-SA Standards Board Bylaws, and IEEE-SA Standards Board Operations Manual in effect as of the date of this Letter of Assurance are incorporated herein.