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To: Executive Director, Z.B. Alliance

From: Philip Orlik

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Phone: [] - [] - []

Date: Oct. 27, 2004

Re: Zigbee Necessary Claims Declaration

Pages: 3 including cover sheet

CC: []

Comments:

Mitsubishi would like to notify the Alliance of necessary claims regarding the zigbee specification. Please see following declaration. If further action is required please contact:

Phil Orlik (617) 621-7570, porlik@merl.com

Best Regards

Philip Orlik

**NECESSARY CLAIMS DECLARATION
(APPLIES TO BOTH PROMOTER MEMBERS AND PARTICIPANTS)**

Please return or FAX to: Executive Director, ZigBee Alliance
c/o Global Ventures
2400 Camino Ramon, Suite 375
San Ramon, CA 94583 USA
PHONE (+1 925-275-6607) FAX (+1 925-275-6691)

Disclosure Period:
_____ to _____

This Declaration is made in accordance with and subject to the ZigBee Alliance Intellectual Property Rights Policy.

A. ZIGBEE ADOPTED SPECIFICATION or ZIGBEE PROPOSED SPECIFICATION:

Number: 02130r926-NWC
Title: Network Specification Revision 9 Draft 092

B. MEMBER ORGANIZATION:

Legal Name of Member Organization: Mitsubishi Electric Corp.

If the Member is completing this Declaration to disclose Necessary Claims of an Affiliate or Non-Member, the Member must provide the following information:

Legal Name of Affiliate or Non-Member (check one): Mitsubishi Electric Research Laboratories, Inc.

Member is authorized to act on behalf of Affiliate or Non-Member (check one): Yes or No

C. CONTACT FOR LICENSE TERMS AND CONDITIONS:

Name of Organization: Mitsubishi Electric Corporation
Name of Individual & Department: Ryo Tokunaga, General Manager, Corporate Licensing Department
Address: 2-2-3 Marunouchi, Chiyoda-ku, Tokyo 100-8310 JAPAN
Telephone: 81-3-3218-2136 Fax: 81-3-5252-7879 E-mail: _____

D. POSITION REGARDING LICENSING OF NECESSARY CLAIMS:

If the Member owns, has a right to, or is aware of any Necessary Claims, please specify the patent number, patent application number and/or relevant claims.

Patent/Patent application number(s): 10/639,707 "Route discovery in Ad hoc networks with data"

Relevant Claim: Claim 1, 7, 8

Describe the nature, extent, and scope of the Necessary Claims (attach additional pages, if necessary): _____

The claims cover portions of clause 10.5. Particularity with the discovery of mesh routes in the Zigbee network.

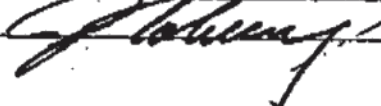
With respect to licensing such Necessary Claims, Member declares as follows (check one box only):

- 1. The Member is prepared to grant a Royalty Free License to the Alliance, Promoter Members and Participants.
- 2. The Member will grant a fee-based license to the Alliance, Promoter Members and Participants on mutually acceptable terms and conditions to comply with the ZigBee Proposed Specification or Adopted Specification. (Member must provide the information requested in Attachment A to this Declaration)
- 3. The Member disclosed the Necessary Claims of an Affiliate or Non-Member, but the Member is not authorized to grant licenses on behalf of such Affiliate or Non-Member according to the provisions of either 1 or 2 above.
- 4. The Member is not aware of any Necessary Claims.

E. SIGNATURE:

Print name of authorized person: Ryo Tokunaga

Title of authorized person: General Manager, Corporate Licensing Department

Signature of authorized person:  Date: October 27, 2004