LETTER OF ASSURANCE FOR ESSENTIAL PATENTS

VIA U.S. mail Certified Mail with a Return Receipt

Please return or FAX to: Secretary, IEEE-SA Standards Board Patent Committee
Institute of Electrical and Electronics Engineers, Inc.
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Piscataway, NJ 08855 USA
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No license is implied by submission of this Letter of Assurance

1. PATENT HOLDER/ORGANIZATION:

Legal Name of Organization: Hewlett-Packard Company

2. PATENT HOLDER'S CONTACT FOR LICENSE APPLICATION:

Name & Department: Mikhail Lotvin, Legal Department
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3. IEEE STANDARD or PROPOSED IEEE STANDARD:

Number: IEEE 802.3ab
Title: Gigabit Ethernet Standard

4. PATENT HOLDER'S POSITION REGARDING LICENSING ESSENTIAL PATENT RIGHTS

If the Patent Holder owns or controls granted patent(s) and/or pending applications that it believes may be infringed by compliance with the Proposed IEEE Standard, please specify the patent number, published application, and/or relevant claims. (A patent search is not required.)

Patent Number(s) (if known): 6,175,865

Relevant Claims (optional): _____

The Patent Holder states that its position with respect to licensing such patent(s) is as follows ***(check one box only)***:

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5. SIGNATURE

Print name of authorized person: Douglas M. Gilbert

Title of authorized person: Managing Counsel

Signature of authorized person: [signature] Date: June 3, 2002

Note: This assurance applies from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.

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Approved by IEEE-SA Standards Board Patent Committee – 20 November 2001