

LETTER OF ASSURANCE FOR ESSENTIAL PATENTS

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

A. PATENT HOLDER/ORGANIZATION:

Legal Name of Organization: SANYO Electric Co., Ltd.

B. PATENT HOLDER'S CONTACT FOR LICENSE APPLICATION:

Name & Department: Nagatoshi Sugihara, General Manager, Intellectual Property Department
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C. IEEE STANDARD or PROPOSED IEEE STANDARD:

Number: 802.11n
Title: Standard for Enhancements for Higher Throughput

D. 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): not indicated
Relevant Claims (optional): _____

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

- The Patent Holder is prepared to grant a free license to an unrestricted number of applicants on a worldwide, non-discriminatory basis to comply with the [Proposed] IEEE Standard.
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- The Patent Holder is unwilling to grant licenses according to the provisions of either 1 or 2 above.
- I am not aware of any patent(s) and/or patent claim(s) that my company may hold that would be relevant to the subject matter of the [Proposed] Standard.

E. SIGNATURE:

Print name of authorized person: Yasuo Funazou
Title of authorized person: General Manager, Digital Systems Development Center Business Unit
Technology R&D Headquarters

Signature of authorized person:  Date: March 12, 2004

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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