

LETTER OF ASSURANCE FOR ESSENTIAL PATENTS

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A. PATENT HOLDER/ORGANIZATION:

Legal Name of Organization: HUAWEI TECHNOLOGIES CO., LTD.

B. PATENT HOLDER'S CONTACT FOR LICENSE APPLICATION:

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C. IEEE STANDARD or PROPOSED IEEE STANDARD:

Number: IEEE 802.16-2004
Title: Air Interface for Fixed Broadband and Wireless Access Systems

Number: IEEE 802.16e
Title: Air Interface for Fixed and Mobile Broadband and Wireless Access Systems Amendment for Physical and Medium Control Layers for Combined Fixed and Mobile Operation in Licensed Bands

Number: IEEE 802.22
Title: Wireless Regional Area Network

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In accordance with Clause 6 of the IEEE-SA Standards Board Bylaws, the Patent Holder hereby declares that its licensing position with respect to any patent(s) and/or patent application(s) that it may hold or control, the use of which would be essential to create a compliant implementation of either mandatory or optional portions of the [Proposed] IEEE Standard identified above, is as follows (*check one box only*):

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- 3. The Patent Holder is unwilling to grant licenses according to the provisions of either 1 or 2 above.
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Use additional pages, as necessary.

E. SIGNATURE

Print name of authorized person: Yanhong Wang, Zhenpeng Guo

Title of authorized person: Standard Manager, Patent Manager

Signature of authorized person: Wang Yanhong 郭振鹏 Date: 2006/03/03 2006-3-3

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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