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Attorney Docket Number: 566.41234X00 102091008.... COVER SHEET Form PTO-1595 U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office (Rev. 03/01) PATENTS ONLY OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): AKASAKA, SHINGO Name and address of receiving party(ies) Name: HITACHI, LTD. ISHIDA, ATSUHIRO TANIGUCHI, SHIN'ICHI SUZUKI, HIDEAKI Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku, OKA, MASAHIRO Tokyo Japan SUZUKI, HIDEAKI Street Address: Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: City: _____ State: _Zip: _____ Merger Assignment | Other ☐ Change of Name ☐ Security Agreement ☐ Other _____. Additional name(s) & address(es) attached? ☐ Yes ☒ No Execution Date: January 9,21,9,5,8,10, 2002. 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: January 9.21.9.5.8.10.2002. A. Patent Application No.(s) B. Patent Registration No.(s) Additional number(s) attached Yes No Name and address of party to whom correspondence 6. Total number of applications and patents involved 1 concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP Internal Address: Authorized to be charged to deposit account 1300 North Seventeenth Street **Suite 1800** 8. Deposit account number: Arlington, VA 22209 USA 01-2135 State: Zip: City: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Alan E. Schiavelli 02/25/2002 Name of Person Signing Signature Registration Number 32,087 Total number of pages including cover sheet, attachments, and document: 2

> Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

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PATENT

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ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully

and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

RECORDED: 02/25/2002

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PATENT REEL: 012880 FRAME: 0400