

02-26-2003



U.S. DEPARTMENT OF COMMERCE

RE U.S. Patent and Trademark Office (Rev. 03/01) 102373183 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 2. Name and address of receiving party(ies) Name of conveying party(ies): 2.1303 **NEC Corporation** Name: NEC Electronics Corporation Internal Address: Street Address: Additional name(s) of conveying party(ies) 1753 Shimonumabe, Nakahara-ku x No Kawasaki, Kanagawa 211-8668 3. Nature of Conveyance: Merger x Assignment Security Agreement Change of Name City: Other Zip: Country: Japan Additional name(s) & November 1, 2002 Yes Execution Date: address(es) attached: 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: A. Patent Application No.(s): B. Patent No.(s): 10/306.685 10/262,888 10/270,682 10/214,301 Additional numbers attached? Yes 5. Name and address of party to whom correspondence Total number of applications and patents involved: concerning document should be mailed: Name: Steven I. Weisburd DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP 7. Total fee (37 CFR 3.41) 160.00 Internal Address: Atty. Dkt.: N0029.0001 Enclosed Street Address: Authorized to be charged to deposit account 1177 Avenue of the Americas Authorized to be charged to credit card 41st Floor (Form 2038 enclosed) 8. Deposit account number: City: State: Zip: 50-2215 10036-2714 **New York** NY (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. February 12, 2003 Steven I. Weisburd Name of Person Signing Total number of pages including cover sheet, attachments, and documents:

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PATENT REEL: 013773 FRAME: 0048

PATENT APPLICATION ASSIGNMENT

WHEREAS, NEC Corporation, a Japanese corporation, having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan is the owner and assignee of record of the patent applications listed below;

WHEREAS, NEC Electronics Corporation, a Japanese corporation, having its principal place of business at 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan is desirous of obtaining the entire right, title, and interest in the patent applications listed below and inventions disclosed therein, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Corporation, hereby sells, assigns and transfers to NEC Electronics Corporation, its successors and assigns, the Assignor's entire right, title and interest including rights to recover for past infringement in the below listed patent applications, the inventions disclosed therein, and to any and all patents for the United States of America, which may be granted thereon, and requests the Director- U.S. Patent and Trademark Office to issue any Letters Patents granted upon the inventions set forth in said Applications to the Assignee herein, its successors and assigns; and Assignor will execute without further consideration all papers deemed necessary by the Assignee in connection with said United States patent applications when called upon to do so by the Assignee.

Filing Date	Serial No.	Note
(Year/Month/Day)		
2002/10/3	10/262888	
2002/10/16	10/270682	
2002/11/27	10/306685	US Application corresponding to Japanese Application
	10,300003	No.2001-362855
2002/8/8	10/214,301	US Application corresponding to Japanese Application
		No.10-360134

IN WITNESS WHEREOF, NEC Corporation has executed this Assignment by proper persons duly authorized.

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NEC Corporation

Masao Maruyama

Chief Manager Planning Division

Intellectual Asset Operations Unit

Date: November 1, 2002

PATENT RECORDED: 02/12/2003 REEL: 013773 FRAME: 0049