(03-10-2003 No.: 2001P211787
ORM PTO-1595 (Modified) RECORI	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
	s: Please record the attached original documents or copy thereof.
To the Honorable Commissioner of Patents and Trademarks 1. Name of conveying party(ies): NEC Miyagi, Ltd.	2. Name and address of receiving party(ies): Name: <u>NEC Communication Systems, Ltd.</u> Address: <u>Mita Kokusai BLDG. 1-4-28, Mita,</u>
Additional names(s) of conveying party(ies)	Minato-ku
3. Nature of conveyance:	
Assignment Merger	
Security Agreement Change of Name	City:TokyoState/Prov.:Country:JapanZIP:108-0073
Other Execution Date: December 20, 2002	Additional name(s) & address(es)
Execution Date	
Patent Application No. Filing date 10/192,729 July 11, 2002	B. Patent No.(s)
Additional numbe	ers 🔲 Yes 🖾 No
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved:
Name: Sean M. McGinn, Esq.	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 34,386	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
Address: McGinn & Gibb, PLLC	
8321 Old Courthouse Road	Authorized to be charged to deposit account
Suite 200	8. Deposit account number:
City: Vienna State/Prov.: VA	50-0481
Country: USA ZIP: 22182-3817	(Attach duplicate copy of this page if paying by deposit account)
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of the original document. <u>Sean M. McGinn, Esq.</u> Name of Person Signing	formation is true, and correct and any attached copy is a true copy March 4, 2003 Signature Date Inding cover sheet, attachments, and
40.00 Pail documents to be record	Inding Cover sheet, attachments, and ded with required cover sheet information to: ents & Trademarks, Box Assignments shington, D.C. 20231

REEL: 013814 FRAME: 0659

PATENT APPLICATION ASSIGNMENT

WHEREAS, NEC Miyagi, Ltd., a Japanese corporation, having its principal place of business at 2 Aza-Raijin, Yoshioka Taiwa-cho, Kurokawa-gun, Miyagi, 981-3681, Japan is the owner and assignee of record of the patent applications listed below;

WHEREAS, NEC Communication Systems, Ltd., a Japanese corporation, having its principal place of business at Mita Kokusai Bldg. 1-4-28, Mita, Minato-ku, Tokyo 108-0073, 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 Miyagi, Ltd., hereby sells, assigns and transfers to NEC Communication Systems, Ltd., 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.

Serial No.	Filing Date	
	(Year.Month	.Day)
10/119735	2002.04.11	
10/156081	2002.05.29	
10/192729	2002.07.11	
	2002.11.27	*US Application corresponding to Japanese Application No.2001-370792

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

moto Attest:

NEC Miyagi, Ltd.

Akira Takada

Akira Takada Assistant Manager Development Planning Department Date: December 20, 2002