Docket No.: 12717, 12717A

U.S. DEPARTMENT OF COMMERCE RECORDATION FORM COVER SHEET FORM PTO-1595 (Modified) (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) PATENTS ONLY P08A/REV03 Tab settings 🔷 🔷 🔷 To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): Name of conveying party(ies): **NEC Corporation** Name: NEC Corporation Address: 7-1, Shiba 5-chome, Minato-ku Nature of conveyance: ✓ Assignment Merger City: TOKYO State/Prov.: _____ ☐ Security Agreement Change of Name Country: JAPAN Other ___ ZIP: Execution Date: December 8, 2004 X Yes □ No Additional name(s) & address(es) attached? Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date B. Patent No.(s) 6,415,041B1 July 2, 2002 6,470,090B2 October 22, 2002 Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence Total number of applications and patents involved: concerning document should be mailed: Name: Paul J. Esatto, Jr. 7. Total fee (37 CFR 3.41):....\$ 80.00 30,749 Registration No. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Scully, Scott, Murphy & Presser Authorized to be charged to deposit account 400 Garden City Plaza 8. Deposit account number: City: Garden City State/Prov.: New York 19-1013 (SSMP) ZIP: 11530 Country: USA (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.

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office

P.O. Roy 1450, Alexandria, VA 22313-1450

Signature

PATENT

December 13, 2004

Date

Name of Person Signing

Paul J. Esatto, Jr.

2. Name and address of receiving party(ies) continued

National Institute of Information and Communications Technology 4-2-1, Nukui-kitamachi Koganei, Tokyo 184-8795 Japan

> **PATENT** REEL: 015452 FRAME: 0111

ASSIGNMENT

Whereas, NEC Corporation, a Japanese corporation having a place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, hereinafter called NEC, is the sole owner and assignee of record of the patents listed on the attached Schedule A; and

Whereas, National Institute of Information and Communications

Technology, a Japanese corporation, having a place of business at 4-2-1, Nukui-kitamachi, Koganei, Tokyo 184-8795, Japan, hereinafter called NII&CT, desires to become a joint owner of the entire right, title and interest in said patents listed on the attached Schedule A.

Now, therefore, for valuable consideration, receipt whereof is hereby acknowledged;

NEC hereby sells, assigns and transfers to NEC and NII&CT, their successors and assigns, jointly, the entire right, title and interest of NEC including rights to recover for past infringement in the patents listed on the attached Schedule A.

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

Date:

WITNESS

NEC Corporation

Sachio Matsubara

Senior Manager

Intellectual Asset Planning Division Intellectual Asset Operations Unit

Date: December 8, 2004

REEL: 015452 FRAME: 0112

Schedule A

Patents

Patent No.	Issue Date (Y.M.D)	Serial No.	File Date(Y.M.D)
6415041B1	2002.07.02	09/320,961	1999.05.27
6470090B2	2002.10.22	10/072,596	1999.05.27

Patent Application

None

PATENT REEL: 015452 FRAME: 0113