nocket No.: 98478 02-03-2003 FORM PTO-1595 (Modified) RE(U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office P08A/REV03 Tab settings → → → 102354103 une attached original documents or copy thereof. To the Honorable Commissioner of Patents ar 1. Name of conveying party(ies): -21-03 2. Name and address of receiving party(ies): **NEC Corporation** Name: TDK Corporation Address: 1-13-1, Nihonbashi, Chuo-ku Additional names(s) of conveying party(ies) ☐ Yes ☒ No 3. Nature of conveyance: Assignment Merger ☐ Security Agreement Change of Name City: Tokyo State/Prov.: __ Other ZIP: 103-8272 Country: JAPAN Execution Date: December 27, 2002 Additional name(s) & address(es) ☐ Yes ⊠ No 4. 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) U.S. Patent No.: 6,026,559 ☐ Yes ☒ No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: 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 ☐ Authorized to be charged to deposit account 8321 Old Courthouse Road, Suite 200 8. Deposit account number: City: Vienna State/Prov.: VA 50-0481 (Deficiencies only) Country: USA ZIP: 22182-3817 (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. Sean M. McGinn, Esq. January 29, 2003 Name of Person Signing Signature Date 02/03/2003 ECOOPER 00000007 6026559 That number of pages including cover sheet, attachments, and

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

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

01 FC:8021

PATENT

REEL: 013699 FRAME: 0662

PATENT ASSIGNMENT

WHEREAS, NEC Corporation, a Japanese corporation, having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo108-8001, Japan is the owner and assignee of record of the patents listed below;

WHEREAS, TDK Corporation, a Japanese corporation, having its principal place of business at 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan is desirous of obtaining a title to the patents listed below;

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Corporation, hereby sells, assigns and transfers to TDK Corporation, its successors and assigns, its entire right, title and interest including rights to recover for past infringement in the below listed patents:

Patent No.	Issue Date	Serial No.	Filing Date
	(Year/Month/Day)		(Year/Month/Day)
6026559	2000/2/22	09/225000	1999/1/4
6154348	2000/11/28	09/099529	1998/6/18
6163438	2000/12/19	09/234467	1999/1/21
6215626B1	2001/4/10	09/232220	1999/1/19
6252737B1	2001/6/26	09/199441	1998/11/25
6433969B1	2002/8/13	09/580452	2000/5/30
6445550B1	2002/9/3	09/438059	1999/11/10

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

NEC Corporation

Attest: Y. Na kainura

RECORDED: 01/29/2003

Masso Marujama Masao Maruyama

Chief Manager

Planning Division

Intellectual Asset Operations Unit

Date: DEC. 27, 2002

PATENT REEL: 013699 FRAME: 0663