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m PTO-1595 (Rev. 09/ 04)	2005 U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RE	
To the Director of the U.S. Patent and Trauemain Unice, 102965	534
1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
Tsuguo Maru	Name: NEC Corporation
	Internal Address:
Execution Date(s): November 2, 2004	Street Address:
Additional name(s) of conveying party(ies) attached? Yes X No	7-1, Shiba 5-chome
3. Nature of Conveyance:	Minato-ku
x Assignment Merger	Tokyo JAPAN
Security Agreement Change of Name	City:
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	
	Country:
Other	attached:
10/496,110 Additional numbers attached?	Yes X No
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and 1
Name: Michael J. Scheer DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address: Atty. Dkt.: G0126.0230	Authorized to be charged by credit card
Street Address: 1177 Avenue of the Americas	X Authorized to be charged to deposit account
41st Floor	Enclosed
	None required (government interest not affecting title)
City: New York	8. Payment Information
State: NY Zip: 10036-2714	a. Credit Card Last 4 Numbers <u>1002</u> Expiration Date <u>02/28/06</u>
Phone Number: (212) 896-5472	b. Deposit Account Number $50 - 2215$
Fax Number: (212) 997-9880   Email Address: ActiverM@DSMQ.com	Authorized User Name
9. Signature	
Signature	Date
Michael J. Scheer - 34,425 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 2
Ivanie of Person Signing	

PATENT REEL: 016776 FRAME: 0149 04-11-05;08:13PM;

# 2/ 3

## PATENT APPLICATION ASSIGNMENT SOLE OR JOINT INVENTORS EXECUTED OUTSIDE U.S.A.

WHEREAS, I (We), \_\_\_

## TSUGUO MARU of Tokyo, Japan

Dickstein(DSM&O) ;

FILE NO.

as assignor(s), have invented certain improvements in <u>INTERLEAVING SEQUENCE</u> GENERATOR, INTERLEAVER, TURBO ENCODER, AND TURBO DECODER

for which an application for United States Letters Patent has been executed by me (us) of even date herewith;

corresponding to International Application No. PCT/JP02/12082 filed November 19, 2002; and

WHEREAS, \_\_\_\_\_\_NEC Corporation \_\_\_\_\_\_, address: 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s), hereby sell, assign and set over to said assignee(s) the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee(s) herein, as assignee(s) of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee(s) or its assigns, to communicate to said assignee(s) or its (their) representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in . which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee(s).

Date: November 2, 2004

Janja Marin

TSUGUO MARU

Witness: maanto Rimura

RECORDED: 09/12/2005

PATENT REEL: 016776 FRAME: 0150