To the Honorable Commissioner of Patents and

04-10-2000

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Docket No.: 86935/99

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2. Name and address.	

1. Name of conveying party(ies): Hideki Matsuura Additional names of conveying party(ies) attached? yes If no 3. Nature of Conveyance If Assignment Merger Security Agreement Change of Name Other Execution Date: March 23, 2000 4. Application number(s) or patent number(s): Title: METHOD AND APPARATUS FOR DIGITAL FILTER If this document is being filed together with a new application, the execution of the content of the c	2. Name and address: Sceiving party(ies): Name: NEC CORPORATION Internal Address: Street Address: 7-1, Shiba 5-chome, Minato-ku, City: Tokyo Country: Japan Additional name(s) & address(es) attached? yes no	JC598 U.S. PTO 09/534004
A. Patent Application No(s).	B. Patent No(s).	li
Additional numbers atta	ched? 1 Yes 17 No	
5. Name and address of party to whom correspondence concerning document should be mailed: C. Lamont Whitham, Esq. Whitham, Curtis & Whitham Reston International Center 11800 Sunrise Valley Drive Suite 900 Reston, Virginia 20191	6. Total number of applications and patents involved:	<u>و</u>
9. Statement and signature To the best of my knowledge and belief, the foregoing information is t document. C. Lamont Whitham Name of Person Signing Signature	rue and correct and any attached copy is a true copy of the original copy of the original copy is a true copy of the original copy is a true copy of the original copy is a true copy of the original copy of the original copy is a true copy of the original copy of the	nal

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PATENT REEL: 010660 FRAME: 0730 PATENT OR DESIGN: SOLE OR JOINT

(U.S. and Foreign Rights)

ASSIGNMENT FOR UNFILED APPLICATION FOR UNITED STATES PATENT

(Sole or Joint Inventors)

FULL NAME(S) AND
POST OFFICE ADDRESS(S)
OF INVENTOR(S) (including country)

WHEREAS: HIDEKI MATSUURA NEC Engineering, Ltd.

18-21, Shibaura 3-chome, Minato-ku,

Tokyo, Japan

(hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled:

TITLE OF INVENTION

METHOD AND APPARATUS FOR DIGITAL FILTER

for which application for Letters Patent of the United States has been executed on even date herewith,

FULL NAME AND
ADDRESS (including country)
OF ASSIGNEE

WHEREAS: NEC Corporation 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by AS-SIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or

(Assignment for Unfiled Application for United States Patent—page 1 of 2)

PATENT REEL: 010660 FRAME: 0731 any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this March 23, 2000

(Date of Signing)

(Date or Signing)		
Hideki Matsura (Signature) HIDEKI MATSUURA	7.415)	
(Signature) HIDEKI MATSUURA	•	
(Signature)		
(Signature)		_

Witness:

All information, names of inventor(s) and assignee, title of invention and particulars of application should be completed.

No witnessing or legalization is necessary. However, if this assignment is legalized then it will only be prime facie evidence of the execution of the assignment.

(Assignment for Unfiled Application for United States Patent—page 2 of 2)

The signature(s) must correspond with the name(s) of the inventor(s) above.

SIGNATURE(S)

Warning

This must be the same as the

date of signing of the declaration and power of the patent

DATE OF SIGNING:

or design application.

Instruction sheet for assignment Signing

PATENT
RECORDED: 03/27/2000 REEL: 010660 FRAME: 0732