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# PATENTS RECORDATION COVER SHEET

U.S. PTO  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Nobuhiro MURAI

Individual

Additional names(s) of conveying party(ies) attached? NO

2. Name and Address of receiving party(ies):

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

Corporation of Japan

Additional name(s) & address(es) attached? NO

3. Nature of conveyance:

Assignment

Execution Date: February 24, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: February 24, 1999

A. Application No.(s)

B. Patent No.(s)

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

OSTROLENK, FABER, GERB & SOFFEN, LLP  
1180 Avenue of the Americas  
New York, New York 10036-8403

6. Total number of documents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

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8. 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.

Steven I. Weisburd

Name of Person Signing

Signature

March 8, 1999

Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT  
REEL: 9823 FRAME: 0467

U.S. ASSIGNMENT - (SOLE OR JOINT)  
LETTERS OR DESIGN PATENT APPLICATION  
EXECUTED OUTSIDE U.S.A.

OFGS FILE NO. P/2238-23

WHEREAS, I (~~WE~~) NOBUHIRO MURAI

as assignor(s), have invented certain improvements in

EXTERNAL INTERFACE CIRCUIT

for which an application for United States Patent  
has been executed by me (~~MS~~) of even date herewith  
and whereas

NEC Corporation

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 acknowledge, I, as assignor, hereby sell, assign and set over to said assignee 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 is hereby authorized and requested to issue all patents on said invention or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself and my 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 invention and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention, 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 aid said assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all countries, the expenses incident to said applications to be borne and paid by said assignee.

Dated: February 24, 1999

Nobuhiro Murai  
NOBUHIRO MURAI

Witness:

Masaru Nakamura  
MASARU NAKAMURA

Akira Muto  
AKIRA MUTO

RECORDED: 03/08/1999

PATENT OE 481  
REEL: 9823 FRAME: 0468