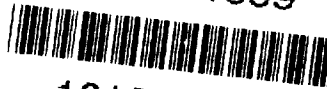


12-17-1999



101226127

MED 12.06.99

To the Hon. Commissioner of Patents & Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Shinichi KAWAI

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: November 22, 1999

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

Name:
NEC CORPORATION

Street Address:
7-1, Shiba 5-chome
Minato-ku
Tokyo, Japan



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

If this document is being filed together with a new application, the execution date of the application is: November 22, 1999

A. Patent Application No(s).

B. Patent No(s). 09/455403

Additional numbers attached? Yes No

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

YOUNG & THOMPSON
Second Floor
745 South 23rd Street
Arlington, VA 22202

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account No. 25-0120

(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.

Mary Shelton

Name of Person Signing

Mary Shelton

Signature

December 6, 1999

Date

12/16/1999 #GORDON 00000042 09/455403

03 FC:581

40.00 DP

Total number of pages including cover sheet: 121

ASSIGNMENT

WHEREAS, SHINICHI KAWAI

of Tokyo, Japan

has invented certain new and useful improvements in SOLID STATE IMAGING APPARATUS WITH HORIZONTAL CHARGE TRANSFER REGISTER WHICH CAN TRANSFER SIGNAL CHARGE FASTER

for which I am about to make application for Letters Patent of the United States of America;

AND WHEREAS, NEC Corporation, 7-1, Shiba 5-chome,

Minato-ku, Tokyo, Japan is

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of

One Dollars (\$1.00)

to me in hand paid, the receipt of which is hereby acknowledged the said ASSIGNOR

have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said

ASSIGNEE, NEC Corporation

* the full and exclusive right, title, and interest in and to the said invention,

as fully set forth and described in the:

Delete inapplicable wording

(a) specification prepared and executed by me on the 22 day of November, 1999,

(b) application filed on the day of , 19 , Serial No. ,

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be

held and enjoyed by the said ASSIGNEE, NEC Corporation

for their own use and behoof, and for their legal representatives, to the full end of the term

for which said Letters Patent are granted, as fully and entirely as the same would have been held by

me had this assignment and sale not been made.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix my seal at

this 22 day of November, A.D. 1999

Shinichi Kawai



(Inventor's full Signature) SHINICHI KAWAI

Witness:

Fumitake Watanabe

[Signature]

*.State whether the full and exclusive right, or what part of the whole interest is assigned.