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

1. Name of conveying party(ies):  
Isao WATANABE  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name:  
NEC CORPORATION  
Street Address:  
7-1, Shiba 5-chome  
Minato-ku  
Tokyo, Japan  
JC542 U.S. PTO  
09/294085  
04/19/99

3. Nature of conveyance:  
 Assignment  Merger  
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 Other  
Execution Date: April 15, 1999

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: April 15, 1999  
A. Patent Application No(s).

B. Patent No(s).  
09/294085  
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).....S 40  
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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  
April 19, 1999  
Date

Total number of pages including cover sheet: **[2]**

ASSIGNMENT

WHEREAS, Isao WATANABE of

Tokyo, Japan

has invented certain new and useful improvements in PLANAR-TYPE AVALANCHE PHOTODIODE

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 15th day of April, 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

Tokyo, Japan this 15th day of April, A.D. 19 99

Isao Watanabe (Seal)

(Inventor's full Signature) ISAO WATANABE

Witness:

Fumitake Watanabe

[Signature]

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