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Akio SUGIYAMA

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

2. Name and address of receiving party(ies):  
NEC ELECTRONICS CORPORATION  
1753 Shimonumabe,  
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Kanagawa 211-8668, Japan

16235 U.S. PTO  
10/660518

09/12/03

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: August 22, 2003

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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: August 22, 2003

A. Patent Application No.(s)  
**10660518**

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE MION, PLLC  
WASHINGTON OFFICE  
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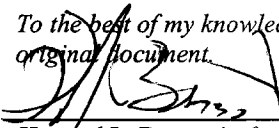
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PATENT  
REEL: 014497 FRAME: 0362

# Assignment

Whereas, I/We, Akio SUGIYAMA of Kanagawa, Japan

hereinafter called assignor(s), have invented certain improvements in Data Read Circuit in a Semiconductor Device Featuring Reduced Chip Area and Increased Data Transfer Rate

and executed an application for Letters Patent of the United States of America therefor on August 22, 2003; and


Whereas, NEC Electronics Corporation  
1753 Shimonumabe,  
Nakahara-ku, Kawasaki,  
Kanagawa 211-8668, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: August 22, 2003 Akio Sugiyama   
s/ AKIO SUGIYAMA  
Date: \_\_\_\_\_  
s/  
Date: \_\_\_\_\_  
s/  
Date: \_\_\_\_\_  
s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Witness: Nitishi Ukeni  
Shiro Muta