

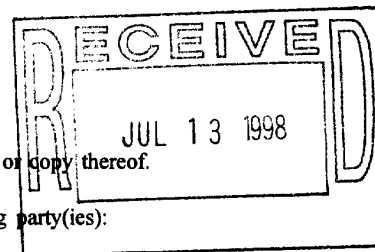
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TO THE ASSISTANT COMMISSIONER FOR PATENTS. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

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

1. Nobuo Matsuki 2. Johannes Cornelis Van Der Hilst

Name: ASM Japan K.K.

Address: 23-1, Nagayama 6-chome, Tama-shi, Tokyo, Japan

Additional name(s) of conveying party(ies) attached?

( ) Yes (X) No

Additional name(s) of receiving party(ies) attached?

( ) Yes (X) No

3. Nature of conveyance:

- (X) Assignment  
( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

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

( ) Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/027,608

Filing Date: February 23, 1998

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

1. March 26, 1998 2. March 28, 1998

( ) Patent No.:

Issue Date:

Additional numbers attached? ( ) Yes (X) No

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

Name: Gordon H. Olson  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

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Street Address: 620 Newport Center Drive  
City: Newport Beach State: CA ZIP: 92660  
Attorney's Docket No.: TAKEU10.001AUS

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

- (X) Enclosed  
( ) Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Gordon H. Olson  
Name of Person Signing

Gordon H. Olson  
Signature

July 6, 1998

Date

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

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PATENT  
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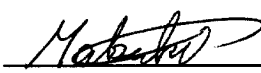
ASSIGNMENT

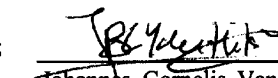
WHEREAS, We, Nobuo Matsuki, a Japanese citizen, residing at 23-1, Nagayama 6-chome, Tama-shi, Tokyo, Japan and Johannes Bart Cornelis Van Der Hilst, a Dutch citizen, residing at 23-1, Nagayama 6-chome, Tama-shi, Tokyo, Japan have invented certain new and useful improvements in a SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME for which we have executed an application for Letters Patent in the United States, on February 23 1998 as Application Serial No. 09/027,608.

AND WHEREAS, ASM Japan K.K. (hereinafter "ASSIGNEE"), a corporation of Japan, with its principal office at 23-1, Nagayama 6-chome, Tama-shi, Tokyo Japan, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) each to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

This 26 day of March, 1998   
Nobuo Matsuki

This 28 day of March, 1998   
Johannes Cornelis Van Der Hilst

\_\_\_\_\_  
Witness

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