

10-07-1999

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TO THE ASSISTANT COMMISSIONER FOR PATENTS, ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

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

Ernst Hendrik August Grannneman
Albert Hasper
Jan Zinger

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

() Yes (X) No

3. Nature of conveyance:

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

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

September 1, 1999
September 1, 1999
September 1, 1999

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

Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach **State:** CA **ZIP:** 92660
Attorney's Docket No.: NEDER9.001APC

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

9/29/99
Date

20,319
Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

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Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

PATENT
REEL: 010282 FRAME: 0074

ASSIGNMENT

WHEREAS, I/WE:

GRANNNEMAN, Ernst Hendrik August
a citizen of The Netherlands

residing at Hoge Naarderweg 71A, NL-1217 AD
HILVERSUM, the Netherlands

HASPER, Albert
a citizen of The Netherlands

residing at Beatrixplantsoen 9, NL-7941 EV
MEPPEL, the Netherlands

ZINGER, Jan
a citizen of The Netherlands

residing at Valderseweg 15, NL-7191 BD
DWINGELOO, the Netherlands

as assignor(s), have made an invention entitled:

"Device for processing semiconductor wafers"

for which I/we have:

- (a) filed an application for United States Letters Patent
on 9/3/99
(Serial No. 09/355,509)
- (b) executed an application for United States Letters
Patent on

and
respectively; and

WHEREAS, ASM International N.V.

a corporation of: the Netherlands

whose post office address is: P.O. Box 100, NL-3720 AC BILTHOVEN, The Netherlands

as assignee, is desirous of securing the entire right, title, and interest in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/we, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/we hereby authorize and request the Commissioner of Patents of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

B3 00000

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s).

Witness:



(GRANNEMAN, Ernst Hendrik August)

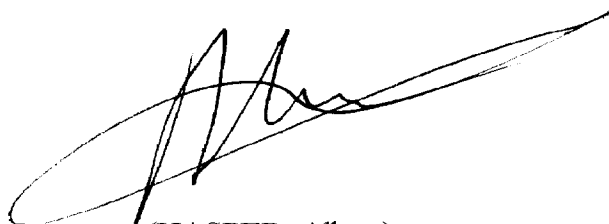
(Signature of first or sole assignor)

Date september 1, 1999

Witness:



Witness:



(HASPER, Albert)


(Signature of second assignor)

Date September 1, 1999

Witness:



Witness:



(ZINGER, Jan)

(Signature of third assignor)

Date September 1, 1999

Witness:

