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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)

Takayuki Yamagishi

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

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

Name: ASM JAPAN K.K.

Address: 23-1, Nagayama 6-chome, Tama-shi, Tokyo
206-0025 JapanAdditional name(s) of receiving 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 30, 1999

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

- (X) Application(s) filed herewith
Execution Date(s): September 30, 1999
() Patent Application No.:
Filing Date:

- () Patent No.:
Issue Date:

09612739

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
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: TAKEU18.001AUS

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
SignatureJuly 10, 2000
Date20,319
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

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jc813 U.S. PTO
09/612739
07/10/00

**ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY**

PATENT

jc813 U.S. PTO
09/612739
07/10/00

To the Commissioner of Patents and Trademarks:

The undersigned is empowered to act on behalf of the assignee indicated below (the "Assignee").
The original

assignment of the attached application for Letters Patent for the invention in SEMICONDUCTOR
SUBSTRATE ALIGNER APPARATUS AND METHOD

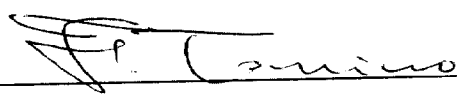
from the inventors to the Assignee is being submitted herewith for recordation by the Assignment Branch. A true copy of this Assignment is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee. I have reviewed this Assignment, and to the best of the Assignee's knowledge and belief, the Assignee is the owner of the entire right, title, and interest in the above-referenced application.

I declare that all statements made herein of my own knowledge are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

Assignee: ASM Japan K.K.

By: 
Fukumi TOMINO

Title: PRESIDENT

23-1, Nagayama 6-chome,
Address: Tama-shi, Tokyo 206 Japan

Dated: June 13, 2000

WHEREAS, I/WE (1) Takayuki YAMAGISHI

a Japanese citizen, residing at 23-1, Nagayama 6-chome, Tama-shi
Tokyo 206 Japan

(2) _____

a _____ citizen, residing at _____

(3) _____

a _____ citizen, residing at _____

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in SEMICONDUCTOR SUBSTRATE ALIGNER APPARATUS AND METHOD

the specification of which:

- (a) ☒ was executed on even date herewith;
- (b) ☐ was filed on _____ as ☐ Application No. _____
0 / _____ or ☐ Express Mail No., as
Application No. not yet known _____
and was amended on _____
(if applicable); or
- (c) ☐ was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____
_____ (if any) and/or under PCT Article 34 on _____
_____ (if any).

AND WHEREAS, ASM Japan K.K., a corporation of Japan

with its principal place of business at 23-1, Nagayama 6-chome, Tama-shi Tokyo 206 Japan

(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it 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 Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 30th day of September, 1999

Takayuki Yamagishi
Signature of Takayuki YAMAGISHI

This _____ day of _____, 199____

Signature of

This _____ day of _____, 199____

Signature of

Shikho Miyake
Witness

Witness

Witness

ASSIGNMENTWHEREAS, I/WE (1) Takayuki YAMAGISHI,a Japanese citizen, residing at 23-1, Nagayama 6-chome, Tama-shi
Tokyo 206 Japan

(2) _____

a _____ citizen, residing at _____

(3) _____

a _____ citizen, residing at _____

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful
improvements in SEMICONDUCTOR SUBSTRATE ALIGNER APPARATUS AND METHOD

the specification of which:

(a) ☒ was executed on even date herewith;(b) ☐ was filed on _____ as ☐ Application No.
0 / _____ or ☐ Express Mail No., as
Application No. not yet known _____
and was amended on _____
(if applicable); or(c) ☐ was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on
_____ (if any) and/or under PCT Article 34 on
_____ (if any).AND WHEREAS, ASM Japan K.K., a corporation of Japan,with its principal place of business at 23-1, Nagayama 6-chome, Tama-shi Tokyo 206 Japan(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with
respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it 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 Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 30th day of September, 1999

Takayuki Yamagishi
Signature of
Takayuki YAMAGISHI

This _____ day of _____, 199____

Signature of

This _____ day of _____, 199____

Signature of

Shikho Kijalei
Witness

Witness

Witness