

FORM PTO-1595 (modified)

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RECI

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HEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark

To the Commissioner of Patents and

and original documents or copies thereof

1. Name of conveying party(ies):

Ichiro OKABE, May 30, 2000
Hiroki ARAI, June 2, 2000

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

Semiconductor Leading Edge
Technologies, Inc.
292 Yoshida-cho, Totsuka-ku
Yokohama, Kanagawa 244-0817
Japan

10056 U.S. PTO
09/597161

Additional conveying party(ies) NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

May 30, 2000 and June 2, 2000

Additional name(s) & address(es) attached? YES

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

If this is being filed together with a new application, the execution date of the application is: May 30, 2000 and June 2, 2000

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

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

William T. Ellis
FOLEY & LARDNER
Washington Harbour
3000 K Street, N.W., Suite 500
Washington, D.C. 20007-5109

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

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Charge to deposit account

8. Deposit account number: 19-0741

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

William T. Ellis

June 20, 2000

Name of person signing

Signature

Date

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

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PATENT
REEL: 010889 FRAME: 0143

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

ASM Japan K.K.
23-1, 6-chome, Nagayama,
Tama-shi, Tokyo 206-0025
Japan

Additional name(s) & address(es) attached? **No**

G3104
99 PE 001
3-051

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Ichiro OKABE

(2) Hiroki ARAI

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Semiconductor Leading Edge Technologies, Inc.

292 Yoshida-cho, Totsuka-ku

Yokohama, Kanagawa 244-0817

JAPAN

and

ASM Japan K.K.

23-1, 6-chome, Nagayama

Tama-shi, Tokyo 206-0025

JAPAN

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

METHOD OF FORMING A FINE PATTERN, AND METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE, AND A SEMICONDUCTOR DEVICE HAVING A FINE PATTERN

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Ichiro Okabe
Name: Ichiro OKABE

May 30, 2000

2) Hiroki Arai
Name: Hiroki ARAI

June 2, 2000