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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):
(1) Shunpei Yamazaki; (2) Jun Koyama;
(3) Hideaki Kuwabara; and (4) Saishi Fujikawa
Additional name(s) attached? Yes No

2. Name and address of receiving party(ies):
Semiconductor Energy Laboratory Co., Ltd
398 Hase Atsugi-shi
Kanagawa-ken 243-0036
JAPAN

3. Nature of conveyance:
 Assignment
 Merger
 Security Agreement
 Change of Name
 Other:
Execution Dates (1) November 20, 2001;
(2) November 21, 2001; (3) November 20, 2001;
and (4) November 21, 2001

Additional names/addresses attached? Yes No

4. Application number(s) or patent number(s):
If this document is being filed with a new application, the execution dates of the application are: (1) November 20, 2001;
(2) November 21, 2001; (3) November 20, 2001; and (4) November 21, 2001
A. Patent Application No(s):
Additional numbers attached? Yes No

B: Patent No(s):

5. Name/address of party to whom correspondence concerning document should be mailed:
JOHN F. HAYDEN
Fish & Richardson P.C.
601 Thirteenth Street, NW
Washington, DC 20005

6. Total number of applications/patents involved: 1
7. Total fee (37 CFR §3.41): \$40
 Enclosed
 Authorized to charge Deposit Account.
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John F. Hayden
Reg. No. 37,640
Name of Person Signing

Signature

December 11, 2001
Date

Total number of pages including coversheet, attachments and document: 2

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ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Jun KOYAMA of Atsugi, Kanagawa, Japan, Hideaki KUWABARA of Atsugi, Kanagawa, Japan and Saishi FUJIKAWA of Atsugi, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled SEMICONDUCTOR DEVICE, AND MANUFACTURING METHOD THEREOF filed on _____, and assigned U.S. Serial Number _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature: Shunpei Yamazaki
Name: Shunpei YAMAZAKI
Date: 11/20/2001

Signature: Jun Koyama
Name: Jun KOYAMA
Date: 11/21/2001

Signature: Hideaki Kuwabara
Name: Hideaki KUWABARA
Date: 11/20/2001

Signature: Saishi Fujikawa
Name: Saishi FUJIKAWA
Date: 11/20/2001