

12-20-2002



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2 SHEET

10/31/93  
12/12/02

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): <b>Shunpei Yamazaki and Masakazu Murakami</b> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): <b>Semiconductor Energy Laboratory Co., Ltd.</b> <b>398 Hase Atsugi-shi</b> <b>Kanagawa-ken 243-0036</b> <b>JAPAN</b>  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: 12/4/02	12/12/02
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: 12/4/02 A. Patent Application No(s).: B: Patent No(s).:  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: <b>SCOTT C. HARRIS</b> <b>Fish &amp; Richardson P.C.</b> <b>4350 La Jolla Village Drive, Suite 500</b> <b>San Diego, California 92122</b>	6. Total number of applications/patents involved: 1  7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account.  8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i>  Scott C. Harris Reg. No. 32,030 Name of Person Signing  Signature  JERRY D. LENTZ REG. NO. 33,945  Date 12/12/02	
Total number of pages including coversheet, attachments and document: 3	

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PATENT  
REEL: 013582 FRAME: 0661

**FISH & RICHARDSON P.C.**

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

Semiconductor Energy Laboratory Co., Ltd.

having the address: 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

**FILM FORMATION APPARATUS AND FILM FORMATION METHOD AND  
CLEANING METHOD**

Attorney Docket No: 07977-310001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.

Filing Date:

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Page 1 of 2

3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

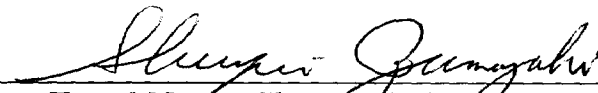
4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

12/04/2002

Date

  
Typed Name: Shunpei YAMAZAKI

12/04/2002

Date

Masakazu MURAKAMI  
Typed Name: Masakazu MURAKAMI

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name: