


11-12-2002



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Substitute Form PTO-1595  
Attorney Docket No.: 12732-108001  
Client's Ref. No.: US5859

Commissioner of Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): (1) Masayuki Sakakura; (2) Satoshi Murakami; and (3) Hirokazu Yamagata Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Semiconductor Energy Laboratory Co., Ltd. 398 Hase Atsugi-shi Kanagawa-ken 243-0036 JAPAN 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 Dates: (1) October 24, 2002; (2) October 24, 2002; and (3) October 23, 2002	
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: A. Patent Application No(s): 10/199,506 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: JOHN F. HAYDEN Fish & Richardson P.C. 1425 K Street, N.W. 11th Floor Washington, DC 20005-3500	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>  John F. Hayden Reg. No. 37,640 Name of Person Signing  Signature:  Date: November 4, 2002	
Total number of pages including coversheet, attachments and document: 2	

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## ASSIGNMENT

For valuable consideration, We, Masayuki SAKAKURA of Kanagawa, Japan, Satoshi MURAKAMI of Kanagawa, Japan and Hirokazu YAMAGATA of Tokyo, 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, DISPLAY DEVICE, AND METHOD OF MANUFACTURING THE SAME filed July 22, 2002, and assigned U.S. Serial Number 10/199,506 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: MASAYUKI SAKAKURA

Name: Masayuki SAKAKURA

Date: 10/24 / 2002

Signature: Satoshi Murakami

Name: Satoshi MURAKAMI

Date: 10/24 / 2002

Signature: Hirokazu Yamagata

Name: Hirokazu YAMAGATA

Date: Hirokazu Yamagata  
10/24 / 2002