PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takeshi Fukunaga	07/19/2001

RECEIVING PARTY DATA

Name:	Semiconductor Energy Laboratory Co., Ltd.
Street Address:	Intellectual Property Division
Internal Address:	398 Hase Atsugi-Shi
City:	Kanagawa-Ken 243-0036
State/Country:	JAPAN
Postal Code:	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11275909

CORRESPONDENCE DATA

Fax Number: (202)783-2331

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (202) 626-6416 Email: hayden@fr.com Correspondent Name: John F. Hayden 1425 K Street, N.W. Address Line 1:

Address Line 2: Suite 1100

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	07977-282002
NAME OF SUBMITTER:	John F. Hayden

Total Attachments: 2

500075878

source=07977-282002 ASSIGNMENT#page1.tif source=07977-282002 ASSIGNMENT#page2.tif

PATENT

REEL: 017123 FRAME: 0444

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:

LIGHT EMITTING DEVICE

Attorney Docket No:

07977-282001

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:

July 25, 2001

- 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

PATENT REEL: 017123 FRAME: 0445

	dersigned agree to perform all affirmative acts which may be not of a valid United States patent to the ASSIGNEE.
of Patents in the United	ersigned hereby authorize(s) and request(s) the Commissioner States to issue any and all Letters Patents resulting from said on or divisions or continuing applications thereof to the said
the power to insert on	ersigned hereby grant(s) to the firm of Fish & Richardson P.C. this assignment any further identification which may be order to comply with the rules of the United States Patent and ordation of this document.
In witness wher undersigned name(s).	eof, executed by the undersigned on the date(s) opposite the
07/19/2001	<u>Jakeshi Fukunaga</u> Typed Name: Takeshi FUKUNAGA
07/19/200 Date	Typed Name: Takeshi FUKUNAGA
Date	Typed Name:
	·
Date	Typed Name:
This assignment two witnesses who also si	may be signed before a U.S. Notary Public or before at least gn here:
Date	Typed Name:

Page 2 of 2

Typed Name:

PATENT REEL: 017123 FRAME: 0446

Date