



07-21-2000



101410365

Attorney Docket No. 0756-2

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party: Takasago International Corporation

Additional name(s) of conveying party(ies) attached? ___ Yes X No

2. Name and address of receiving party:

Name: Semiconductor Energy Laboratory Co., Ltd.

Street Address: 398 Hase, Atsugi-shi, Kanagawa-ken, JAPAN 243-0036

Additional name(s) & addresses(es) attached? ___ Yes X No

3. Name of Conveyance:

X Assignment

___ Merger

___ Security Agreement

___ Change of Name

___ Other

Execution Date: May 12, 2000

4. Patent number:

A. Application No.

B. Patent No. 5,290,477

If this document is being filed together with a new application, the execution date of the application is: _____

Additional numbers attached? ___ Yes X No

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

Name: NIXON PEABODY LLP

Street Address: 8180 Greensboro Drive, Suite 800

City: McLean State: Virginia ZIP 22102

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 40.00

X Enclosed

___ Authorized to be charged to deposit account

8. Deposit Account Number: 19-2380

(Attach duplicate copy of this page if paying by deposit account)

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01 EC:581 Statement and signature. 40.00 OP

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.

Eric J. Robinson

Name of Person Signing

[Signature]
Signature

Date: 6-28-2000

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

PATENT
REEL: 010919 FRAME: 0707

ASSIGNMENT

WHEREAS, TAKASAGO INTERNATIONAL CORPORATION (hereinafter designated as the undersigned) is the sole owner of the entire right, title and interest in United States Letters Patent Number 5,290,477 issued March 1, 1994 and entitled OPTICALLY ACTIVE COMPOUND AND LIQUID CRYSTAL COMPOSITION CONTAINING THE SAME, and;

WHEREAS, Semiconductor Energy Laboratory Co., Ltd. of 398 Hase, Atsugi-shi, Kanagawa-ken, 243-0036 Japan, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said Letters Patent(s);

NOW, THEREFORE, in consideration of the sum of \$1.00 to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the entire right, title and interest to said Letters Patent in the United States of America and its territories and for all foreign countries, dependencies and possessions, and the entire right, title and interest in all U.S. and foreign applications claiming a right of priority based on said Letters Patent (including re-issue and re-examination applications); the same to be held and enjoyed by said Assignee for his own use, and for his legal representatives and assigns, to the full end of the term for which said Patent is granted, as fully and entirely as the same would have been help by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning said Letters Patent, and all papers in connection with any continuation, division, re-issue or re-examination application based in whole or in part on said Letters Patent and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference, continuation, division, re-issue or re-examination application.

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

The undersigned agree(s) to perform all affirmative acts which may be necessary to ensure maintenance of said Letters Patent and to perform all affirmative acts in connection with any continuation, division, re-issue or re-examination application necessary to obtain a grant of a valid United States Patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby covenants that they have the full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm Nixon Peabody LLP 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 U.S. Patent and Trademark Office for recordation of this document.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 5/12/2000

TAKASAGO INTERNATIONAL CORPORATION

By: Haruki Tsuruta

Typed or printed name: HARUKI TSURUTA

Title: EXECUTIVE VICE PRESIDENT

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who should sign here.)

Witness _____
(name) (signature)

Witness _____
(name) (signature)

Witness _____
(name) (signature)