

03-29-2002

Docket No.: 521.41448X00

FOPM PTO-1595  
1-31-92

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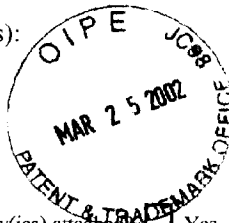
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102035962

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

1. Name of conveying party(ies):

Shinichi MURAMATSU  
Yasushi MINAKAWA  
Fumihito OKA  
Tadashi SASAKI



3-25-02

2. Name and address of receiving party(ies):

Name: Hitachi Cable Ltd.  
Street Address: 6-1, Otemachi 1-chome, Chiyoda-ku

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

City: Tokyo:

Country: Japan

Additional name(s) & address(es) attached?  Yes  No

Execution Date: March 1, 2002

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)  
10/007,670 December 10, 2001

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

Street Address: 1300 North Seventeenth Street  
Suite 1800

City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1

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

- Enclosed
- Any deficiencies may be charged to deposit account
- Authorized to be charged to deposit account

8. Deposit account number: 01-2135

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

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9. Statement and signature.

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.

Alan E. Schiavelli  
Name of Person Signing

Signature

March 25, 2002  
Date

Attorney Registration No. 32,087

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

OMB No. 0651-0011 (exp. 4/94)

03/27/2002 MAHME1 0000012 10007670

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PATENT  
REEL: 012716 FRAME: 0405

## ASSIGNMENT

**WHEREAS**, I/we (as applicable) Shinichi MURAMATSU, Yasushi MINAKAWA, Fumihito OKA, Tadashi SASAKI, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled "METHOD FOR FORMING CRYSTALLINE SILICON LAYER AND CRYSTALLINES SILICON SEMICONDUCTOR DEVICE", for which an application for United States Letters Patent [ ] is filed herewith or [X] was filed on December 10, 2001 as Application Serial No. 10/007,670;

**AND WHEREAS**, I/we hereby acknowledge my/our obligation to transfer the entire right, title and interest to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefore to Hitachi Cable, Ltd. (hereinafter referred to as **ASSIGNEE**), a corporation organized and existing under the laws of Japan and having an address of 6-1, OTEMACHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we do hereby sell, assign, transfer and set over unto said **ASSIGNEE**, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention including rights to priority under the International Convention of Paris (1883), as amended;

**UPON SAID CONSIDERATIONS**, I/we hereby acknowledge and agree that I/we have not and will not execute any writing or do any act whatsoever conflicting with these presents, and that I/we will, at any time upon request, without further or additional consideration but at the expense of said **ASSIGNEE**, execute such additional assignments and other writings, for example statements and other affidavits, and do such additional acts, for example giving testimony, as said **ASSIGNEE** may deem necessary or desirable to perfect the **ASSIGNEE's** enjoyment of rights granted in said invention, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in any proceedings or transactions involving such applications or patents, including those relating to the enforcement of any rights or choses in action accruing as a result of said applications or patents, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the successors, assigns and legal representatives of me/us and **ASSIGNEE**;

**AND** I/we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said **ASSIGNEE**, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date: March 1, 2002

Name: Shin-ichi Muramatsu

Shinichi MURAMATSU

Date: March 1, 2002

Name: Yasushi Minakawa

Yasushi MINAKAWA

Date: March 1, 2002

Name: Fumihito Oka

Fumihito OKA

Date: March 1, 2002

Name: Tadashi Sasaki

Tadashi SASAKI