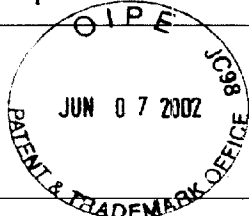


6/710Z



06-13-2002



102121075

U.S. DEPARTMENT OF COMMERCE

EET

Patent and Trademark Office  
Docket No. 474082001700

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

## 1. Name of conveying party(ies):

Takayuki KUBO  
Katsuhito MAKIYAMA and  
Tatsuya YABUSAMEAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

SUMITOMO MITSUBISHI SILICON CORPORATION  
2-1, Shibaura 1-chome, Minato-ku  
Toyko 105-0023 JAPANAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: May 28, 2002, May 31, 2002 and May 31, 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)

B. Patent No.(s)

10/096,314

Additional numbers attached? ☐ Yes ☒ No

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

Barry E. Bretschneider  
Morrison & Foerster LLP  
2000 Pennsylvania Avenue, N.W.  
Washington, D.C. 20006-1888

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 C.F.R. § 3.41): \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account, referencing  
 Attorney Docket **474082001700**

8. Deposit account number: **03-1952**The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.**DO NOT USE THIS SPACE**

## 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.

Name: Barry E. Bretschneider  
Registration No: 28,055

  
Signature
June 7, 2002  
Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

06/12/2002 LMUELLER 00000166 031952 10096314

01 FC:581 40.00 CH  
dc-319412**PATENT**  
**REEL: 012970 FRAME: 0001**

Docket No. 474082001700

**MORRISON & FOERSTER LLP**

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:

**SUMITOMO MITSUBISHI SILICON CORPORATION  
2-1, SHIBAURA 1-CHOME  
MINATO-KU, TOKYO  
105-0023 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 Patent which may be granted thereof, 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:

**SINGLE CRYSTAL PULLING APPARATUS**

Attorney Docket No.: 474082001700

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.: 10/096,314

Filing Date: March 13, 2002

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, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

Page 1 of 2

dc-312754

**PATENT**  
**REEL: 012970 FRAME: 0002**

Docket No. 474082001700

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 of similar agreements.

3. The undersigned agree(s) 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 Patent 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 Morrison & Foerster 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 United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREBY, executed by the undersigned on the date(s) opposite the undersigned name(s).

05/28/2002

Date

Takayuki Kubo

Typed Name: Takayuki KUBO

05/31/2002

Date

Katsuhito MAKIYAMA

Typed Name: Katsuhito MAKIYAMA

05/31/2002

Date

Tatsuya YABUSAME

Typed Name: Tatsuya YABUSAME

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

05/31/2002

Date

JIRO Inoue

Typed Name:

05/31/2002

Date

Kenichi Takenaka

Typed Name:

Page 2 of 2

dc-312754

RECORDED: 06/07/2002

PATENT  
REEL: 012970 FRAME: 0003