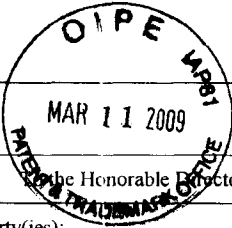


P35870

03-16-2009

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE



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al documents or copy thereof.

1. Name of Conveying party(ies):
Tadahiro SATO
Masaki MORIKAWA

2. Name and address of receiving party(ies)

Name: JAPAN SUPER QUARTZ CORPORATION

Internal Address:

Street

Address: 14-3, Barajima 5-chome, Akita-shi, Akita-ken,

010-0065 Japan

City:

State:

ZIP:

Additional names(s) and address(es) attached? Yes No

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

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: March 2, 2009

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)

12/351,115

B. Patent No.(s)

Additional numbers attached: Yes No

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

Name: Bruce H. Bernstein

Internal Address: P35870

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1950 Roland Clarke Place

City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37CFR 3.41)

\$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(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.

Bruce H. Bernstein, Reg. 29,027
Name of Person Signing

Stephen M. Roylance

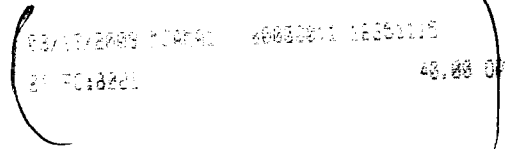
Signature

March 11, 2009

Date

Total number of pages including cover sheet, attachments and document: 4

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Randolph Building
401 Dulany Street
Alexandria, VA 22314



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PATENT
REEL: 022398 FRAME: 0888

ASSIGNMENT

WHEREAS, **Tadahiro SATO**, a citizen of Japan, whose post office address is c/o Japan Super Quartz Corporation, 14-3, Barajima 5-chome, Akita-shi, Akita-ken, 010-0065 Japan, and **Masaki MORIKAWA**, a citizen of Japan, whose post office address is c/o Japan Super Quartz Corporation, 14-3, Barajima 5-chome, Akita-shi, Akita-ken, 010-0065 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

**METHOD OF MANUFACTURING SILICA GLASS CRUCIBLE FOR PULLING
SILICON SINGLE CRYSTALS**

for which they have jointly executed an application for Letters Patent for the United States which was filed in the United States Patent and Trademark Office on January 9, 2009 and was awarded Application No. 12/351,115.

AND WHEREAS, **JAPAN SUPER QUARTZ CORPORATION**, a corporation organized and existing under the laws of Japan, whose post-office address is 14-3, Barajima 5-chome, Akita-shi, Akita-ken, 010-0065 Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

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AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:

Shuji Tobita

(Name) Shuji Tobita

March 2, 2009

(Date)

Tadahiro Sato

March 2, 2009

Tadahiro SATO

Date

Second Witness:

Toshiaki Sudo

(Name) Toshiaki Sudo

March 2, 2009

(Date)

First Witness:

Shuji Tobita

(Name) Shuji Tobita

March 2, 2009

(Date)

Masaki Morikawa

March 2, 2009

Masaki MORIKAWA

Date

Second Witness:

Toshiaki Sudo

(Name) Toshiaki Sudo

March 2, 2009

(Date)

{P35870 00614156.DOC}