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07/21/2010

Attorney Docket No: FPSU108

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OMB No. 0651-0027 (exp. 5/31/2002)

08-03-2010



ET

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the honorable Commis:

103603489

ched original documents or copy thereof.

1. Name of conveying party(ies):

Manabu Shonai  
Taira Sato  
Minoru Shirakawa  
Hiroshi Takahashi  
Shuichi Ikehata

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

3. Nature of conveyance:

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

Execution Date: July 15, 2010

2. Name and address of receiving party(ies)

Name: Japan Super Quartz Corporation  
Internal Address: \_\_\_\_\_

Street Address: 5-14-3, Barajima, Akita-shi

City: Akita Country: Japan Zip: 010-0065

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

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: July 15, 2010

A. Patent Application No.(s)

12804479

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Farshad Farjani, Esq.

Internal Address: Farjani & Farjani LLP

Street Address: 26522 La Alameda Ave., Suite 360

City: Mission Viejo State: California Zip: 92691

6. Total number of applications and patents involved:

1

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

☒ Enclosed (Payment by Credit Card Form PTO-2038 enclosed)

☒ Underpayment or Overpayment is Authorized to be Charged or Credited to Deposit Account

8. Deposit account number:

50-0731

(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.*

Farshad Farjani, Esq.

Name of Person Signing

Signature

Date

7/21/10

Total number of pages including cover sheet, attachments, and documents: 11

**ASSIGNMENT**

WHEREAS, I/WE:

INVENTOR NAME	INVENTOR RESIDENCE ADDRESS
Manabu SHONAI	c/o JAPAN SUPER QUARTZ CORPORATION, 5-14-3, Barajima, Akita-shi, Akita 010-0065, Japan

have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled **A HANDLING DEVICE AND HANDLING METHOD OF QUARTZ GLASS CRUCIBLE**, filed herewith.

AND WHEREAS JAPAN SUPER QUARTZ CORPORATION, A Japanese corporation (hereinafter, together with any successors, legal representatives and assigns thereof, called "Assignees"), wants to acquire the entire right, title, and interest in and to said improvements and application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/WE have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee the entire right, title, and interest in and to said improvements, and said application and all divisions, substitutions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, inventor(s) certificates, and the like), heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all extensions, renewals, and reissues thereof) granted for said improvements in any foreign countries; and I/WE hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND I/WE HEREBY covenant that I/WE have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith;

AND I/WE HEREBY further covenant and agree that I/WE will communicate to Assignee any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all countries.

I hereunto set my hand this 15th day of July, 2010.

Manabu Shōnai

Manabu SHONAI

**ASSIGNMENT**

WHEREAS, I/WE:

INVENTOR NAME	INVENTOR RESIDENCE ADDRESS
Taira SATO	c /o JAPAN SUPER QUARTZ CORPORATION, 5-14-3, Barajima, Akita-shi, Akita 010-0065, Japan

have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled **A HANDLING DEVICE AND HANDLING METHOD OF QUARTZ GLASS CRUCIBLE**, filed herewith.

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I hereunto set my hand this 15th day of July, 2010.

Taira SATO  
Taira SATO

ASSIGNMENT

WHEREAS, I/WE:

INVENTOR NAME	INVENTOR RESIDENCE ADDRESS
Minoru SHIRAKAWA	c/o JAPAN SUPER QUARTZ CORPORATION, 5-14-3, Barajima, Akita-shi, Akita 010-0065, Japan

have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled A HANDLING DEVICE AND HANDLING METHOD OF QUARTZ GLASS CRUCIBLE, filed herewith.

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I hereunto set my hand this 15th day of July, 2010.

Minoru Shirakawa  
Minoru SHIRAKAWA

**ASSIGNMENT**

WHEREAS, I/WE:

INVENTOR NAME	INVENTOR RESIDENCE ADDRESS
Hiroshi TAKAHASHI	c/o JAPAN SUPER QUARTZ CORPORATION, 5-14-3, Barajima, Akita-shi, Akita 010-0065, Japan

have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled A HANDLING DEVICE AND HANDLING METHOD OF QUARTZ GLASS CRUCIBLE, filed herewith.

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I hereunto set my hand this 15th day of July, 2010.

Hiroshi TAKAHASHI

Hiroshi TAKAHASHI

ASSIGNMENT

WHEREAS, I/WE:

INVENTOR NAME	INVENTOR RESIDENCE ADDRESS
Shuichi IKEHATA	c/o JAPAN SUPER QUARTZ CORPORATION, 5-14-3, Barajima, Akita-shi, Akita 010-0065, Japan

have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled A HANDLING DEVICE AND HANDLING METHOD OF QUARTZ GLASS CRUCIBLE, filed herewith.

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Attorney Docket No.:

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I hereunto set my hand this 15th day of July, 2010.

Shuichi Ikehata  
Shuichi IKEHATA