## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
Toshiaki Sudo	11/22/2011
Ken Kitahara	11/21/2011
Koichi Suzuki	11/21/2011
Shinsuke Yamazaki	11/30/2011

#### RECEIVING PARTY DATA

Name:	JAPAN SUPER QUARTZ CORPORATION
Street Address:	5-14-3, Barajima
City:	Akita-shi, Akita
State/Country:	JAPAN
Postal Code:	010-0065

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13308250

## CORRESPONDENCE DATA

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Mail.

Correspondent Name: Llewellyn Rhys Lawson, Ph.D.

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Address Line 2: 1420 Fifth Avenue, Suite 2800
Address Line 4: Seattle, WASHINGTON 98101-2347

ATTORNEY DOCKET NUMBER: JSQC138184

NAME OF SUBMITTER: Llewellyn Rhys Lawson

Total Attachments: 2

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PATENT REEL: 027320 FRAME: 0592

### ASSIGNMENT

WHEREAS, we, <u>Toshiaki SUDO</u>, with the mailing address <u>c/o JAPAN SUPER QUARTZ CORPORATION</u>, 5-14-3, Barajima, Akita-shi, Akita 010-0065 Japan, <u>Ken KITAHARA</u>, with the mailing address <u>c/o JAPAN SUPER QUARTZ CORPORATION</u>, 5-14-3, Barajima, Akita-shi, Akita 010-0065 Japan, <u>Koichi SUZUKI</u>, with the mailing address <u>c/o JAPAN SUPER QUARTZ CORPORATION</u>, 5-14-3, Barajima, Akita-shi, Akita 010-0065 Japan, and <u>Shinsuke YAMAZAKI</u>, with the mailing address <u>c/o JAPAN SUPER QUARTZ CORPORATION</u>, 5-14-3, Barajima, Akita-shi, Akita 010-0065 Japan, are the inventors named in an application for Letters Patent of the United States entitled <u>VITREOUS SILICA CRUCIBLE</u>, hereby authorize my attorneys of the firm of Christensen O'Connor Johnson Kindness<sup>PLLC</sup>, 1420 Fifth Avenue, Suite 2800, Seattle, Washington 98101, to insert here in parentheses (Application No. <u>13/308250</u>, filed 11/30/2011 ) the application number and filing date of said application when known;

AND, WHEREAS, <u>JAPAN SUPER QUARTZ CORPORATION</u>, a <u>Japanese</u> corporation having a principal place of business at <u>5-14-3</u>, <u>Barajima</u>, <u>Akita-shi</u>, <u>Akita 010-0065 Japan</u>, (hereinafter referred to as ASSIGNEE), is desirous of acquiring our entire right and title to and interest in our invention disclosed in said application;

NOW, THEREFORE, for sufficient, good, and valuable consideration, the receipt of which is hereby acknowledged, we do hereby sell, assign, and transfer unto ASSIGNEE our entire right and title to and interest in said application and said invention, including the right to apply for international patents and patents thereon in foreign countries in our names or in the name of ASSIGNEE, said invention and all applications and patents on said invention to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by us had this sale, assignment, and transfer not been made; and we do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said invention, to enforce any and all patents on said invention, and to confirm in ASSIGNEE legal title to said invention and all applications and patents on said invention, all without charge to ASSIGNEE but at no expense to us.

Typed or Printed Name: Toshiaki SUDO\_

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Executed at Akita-shi	(city), Japan (country), on Noy. 2/, 20// (date).
	Signature: Ken Kitahaya
	Typed or Printed Name: Ken KITAHARA
******	*******************
Executed at Akita-shi	(city), Japan (country), on Nov. 2/, 2011 (date).
	Signature: Koichi Suzuki
	Typed or Printed Name: Koichi SUZUKI
*******	**************************************
Executed at Akita-shi	(city), Japan (country), on <u>Nov. 30, 30// (date)</u> .
	Signature: Shinsuke Yamezah'
	Typed or Printed Name: Shinsuke YAMAZAKI
*********	***************

**RECORDED: 12/02/2011** 

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PATENT REEL: 027320 FRAME: 0594