

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Buguo Wang</td> <td>06/20/2012</td> </tr> <tr> <td>David F. Bliss</td> <td>06/21/2012</td> </tr> <tr> <td>Michael J. Callahan</td> <td>06/25/2012</td> </tr> </tbody> </table>	Name	Execution Date	Buguo Wang	06/20/2012	David F. Bliss	06/21/2012	Michael J. Callahan	06/25/2012	
Name	Execution Date								
Buguo Wang	06/20/2012								
David F. Bliss	06/21/2012								
Michael J. Callahan	06/25/2012								
RECEIVING PARTY DATA									
Name:	Solid State Scientific Corporation								
Street Address:	27-2 Wright Road								
City:	Hollis								
State/Country:	NEW HAMPSHIRE								
Postal Code:	03049								
PROPERTY NUMBERS Total: 1									
Property Type	Number								
Application Number:	12321763								
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ATTORNEY DOCKET NUMBER:	2006-1103.NONPROV								
NAME OF SUBMITTER:	Louis J. Franco								
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OP \$40.00 12321763

ASSIGNMENT OF INVENTION AND PATENT APPLICATION

We, Buguo Wang, David F. Bliss and Michael J. Callahan, in consideration of good and valuable consideration, receipt of which is hereby acknowledged by each of us, agree to assign, and hereby do assign, transfer and set over to Solid State Scientific Corporation, a corporation incorporated under the laws of the State of New Hampshire, whose address is 27-2 Wright Road, Hollis, New Hampshire 03049, (hereinafter designated as the Assignee), the entire right, title and interest in and to the invention known by title in a previously filed non-provisional patent application as **HYDROTHERMAL METHODS OF FABRICATING TRIVALENT-METAL-ION-DOPED SAPPHIRE CRYSTALS**. The non-provisional patent application referred to above was filed on **January 24, 2009** and was assigned **Serial No. 12/321,763** by the USPTO. Non-Provisional Application No. 12/321,763 claimed priority benefits in **Provisional Application Serial No. 61/062,984** filed January 30, 2008 and entitled **HYDROTHERMAL METHODS OF FABRICATING TRIVALENT-METAL-ION-DOPED SAPPHIRE CRYSTALS**.

(1) The undersigned agree(s) to review and execute all papers necessary in connection with each application to protect the invention, and any continuing or divisional applications thereof, and also to review and execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

(2) The undersigned agree(s) to review and execute all papers necessary in connection with any interference which may be declared concerning any application relating to the invention, or any continuation or division thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with any such interference.

(3) The undersigned agree(s) to review and execute all papers and documents and perform any act that may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

(4) The undersigned agree(s) to perform all affirmative acts that may be necessary to obtain a grant of valid patent(s) to the Assignee relating to the invention.

(5) The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks, and all equivalent foreign officials, to issue any and all Letters Patent(s) resulting from said application(s) or any division(s) or continuing application(s) thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

(6) The undersigned hereby grant(s) the Assignee and its duly authorized representatives 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, and any equivalent foreign office, for recordation of this document.

Signature of First Inventor: Buguo Wang

Name of Inventor: Buguo Wang

Date of this Signature: June 20, 2012

Signature of Second Inventor: David F. Bliss

Name of Inventor: David F. Bliss

Date of this Signature: June 21, 2012

Signature of Third Inventor: Michael J. Callahan

Name of Inventor: Michael J. Callahan

Date of this Signature: June 25, 2012

No additional inventors

Ref: Attorney Docket #: 2006-1103.nonprov
Application Serial No. 12/321,763 filed January 24, 2009