

PATENT ASSIGNMENT

Electronic Version v1.1
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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>QUOC TRAN PHAM</td> <td>06/25/2012</td> </tr> <tr> <td>THEODORE A WANIUK</td> <td>06/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	QUOC TRAN PHAM	06/25/2012	THEODORE A WANIUK	06/21/2012
Name	Execution Date						
QUOC TRAN PHAM	06/25/2012						
THEODORE A WANIUK	06/21/2012						
RECEIVING PARTY DATA							
Name:	CRUCIBLE INTELLECTUAL PROPERTY, LLC						
Street Address:	30452 ESPERANZA						
City:	RANCHO SANTA MARGARITA						
State/Country:	CALIFORNIA						
Postal Code:	92688						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13532233</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13532233		
Property Type	Number						
Application Number:	13532233						
CORRESPONDENCE DATA							
Fax Number:	(703)770-7901						
Phone:	7037707900						
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	PILLSBURY WINTHROP SHAW PITTMAN LLP						
Address Line 1:	P.O. BOX 10500						
Address Line 4:	MCLEAN, VIRGINIA 22102						
ATTORNEY DOCKET NUMBER:	069648-0396567						
NAME OF SUBMITTER:	/Raj S. Dave/						
<p>Total Attachments: 3 source=Assignment1#page1.tif source=Assignment1#page2.tif source=Assignment1#page3.tif</p>							

CH \$40.00 13532233

PATENT

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

QUOC TRAN PHAM
30452 Esperanza
Rancho Santa Margarita, California 92688
Nationality: United States of America

THEODORE A. WANIUK
30452 Esperanza
Rancho Santa Margarita, California 92688
Nationality: United States of America

hereby sell, assign and transfer to

ASSIGNEE:

CRUCIBLE INTELLECTUAL PROPERTY, LLC
30452 Esperanza
Rancho Santa Margarita, California 92688

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions, in and to any and all improvements which are disclosed in the invention entitled:

HIGH THERMAL STABILITY BULK METALLIC GLASS IN THE Zr-Nb-Cu-Ni-Al SYSTEM

and which is found in (37 C.F.R. § 3.21) **U.S. Non-Provisional Application No.:**
13/532,233, filed June 25, 2012 naming the above inventors for the above-entitled invention and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 0/25/12



Signature of QUOC TRAN PHAM

Date: _____

Signature of THEODORE A. WANIUK

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: _____

Signature of QUOC TRAN PHAM

Date: 6/21/12

Theodore A. Waniuk
Signature of THEODORE A. WANIUK