

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zhigang Zak Fang</td> <td>10/24/2008</td> </tr> <tr> <td>Peng Fan</td> <td>10/27/2008</td> </tr> <tr> <td>Jun Guo</td> <td>10/27/2008</td> </tr> </tbody> </table>		Name	Execution Date	Zhigang Zak Fang	10/24/2008	Peng Fan	10/27/2008	Jun Guo	10/27/2008
Name	Execution Date								
Zhigang Zak Fang	10/24/2008								
Peng Fan	10/27/2008								
Jun Guo	10/27/2008								
RECEIVING PARTY DATA									
Name:	University of Utah								
Street Address:	615 Arapeen Drive, Suite 310								
City:	Salt Lake City								
State/Country:	UTAH								
Postal Code:	84108								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12259685</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12259685				
Property Type	Number								
Application Number:	12259685								
CORRESPONDENCE DATA									
Fax Number:	(801)537-1799								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(801)537-1700								
Email:	madson@maiplaw.com								
Correspondent Name:	Craig J. Madson								
Address Line 1:	15 West South Temple, Suite 900								
Address Line 4:	Salt Lake City, UTAH 84101								
ATTORNEY DOCKET NUMBER:	1321.2.90								
NAME OF SUBMITTER:	Craig J. Madson								

OP \$40.00 12259685

Total Attachments: 4
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A S S I G N M E N T

We, Zhigang Zak Fang, Peng Fan, and Jun Guo, whose residences and post office addresses are as stated below next to our names, have invented a method and apparatus entitled FUNCTIONALLY GRADED CEMENTED TUNGSTEN CARBIDE WITH ENGINEERED HARD SURFACE AND THE METHOD FOR MAKING THE SAME, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by us and now identified as File No. 1321.2.90 of the law firm of Madson & Austin, Gateway Tower West, 15 West South Temple, Suite 900, Salt Lake City, Utah 84101, and filed in the United States Patent and Trademark Office as Serial No. 12/259,685 on October 28, 2008. (We hereby authorize the attorneys of Madson & Austin to insert said serial number and filing date when known.)

The Assignee, University of Utah, a corporation of the State of Utah, having a principal place of business at Technology Commercialization Office, 615 Arapeen Drive, Suite 310 Salt Lake City, UT 84108, desires to secure the entire right, title and interest in said invention.

In consideration of \$1.00 and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, WE HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention, in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, all previously filed provisional applications for which the present application seeks the benefit of an earlier filing date under 35 U.S.C. § 119, all reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

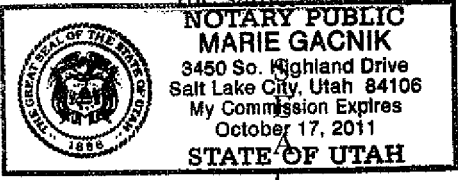
We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and benefit of the said Assignee, its successors, assigns and legal representatives.

Executed this 27 day of October, 2008, at
Salt Lake City Utah

Jun Guo
Jun Guo
122 University Village
Salt Lake City, Utah 84108

STATE OF Utah)
COUNTY OF Salt Lake) :SS

On this 27 day of Oct, 2008, personally appeared before me Jun Guo who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he/she executed the same.



Marie Gacnik NOTARY PUBLIC
Oct. 17, 2011 COMMISSION EXPIRATION