PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

Property Type	Number
Application Number:	12259685

CORRESPONDENCE DATA

Fax Number: (801)537-1799

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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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

Total Attachments: 4

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PATENT REEL: 021752 FRAME: 0945

ASSIGNMENT

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	d invention are disc	closed in a Unite	ed States patent
application executed concurrently her	rewith by us and no	ow identified as	File No.
1321.2.90 of the law firm of Madson	& Austin, Gateway	y Tower West, 1	5 West South
Temple, Suite 900, Salt Lake City, Ut	-	•	
Trademark Office as Serial No.	12/259,685	on	
October 28, 2008	. (We hereby auth	orize the attorne	ys 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 310Salt 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.

PATENT REEL: 021752 FRAME: 0946 We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Executed this 24 day of October, 2008, at Sall Lake City Utoh.

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STATE OF	Hefu	_)			
COUNTY OF	Sall Lake	:ss _)			
me Zhigang Z	s 24 day of day of ak Fang who prove name is subscribed ame.	ed to me on the	basis of sa	atistactory ev	ridence to be the
S E A	9	\$117 2010			TARY PUBLIC EXPIRATION
0	NOTARY PUBLIC KRISTIN CHRISTENS Commission No. 5636 Commission Expirer MARCH 17, 2010 STATE OF UTAM	EN 3			

Executed this 27 d Salt Lake City	lay of <u>October</u> , 2008, at <u>Utah</u>			
	Peng Fan 130 South 1300 East, Apt. 205			
	Salt Lake City, Utah 84102			
STATE OF Utah))			
COUNTY OF Salt Lak	ke)			
On this 27 day of 0 ct, 2008, personally appeared before me Peng Fan 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.				
NOTARY PUBLIC MARIE SACNIK 3450 So. Highland Drive Salt Lake City. Utah 84106 My Commission Expires October 17, 2011 STATE OF UTAH	MOUL GOVE NOTARY PUBLIC OCT. 17, 20 11 COMMISSION EXPIRATION			

Executed this 2 day of October Solt lake aty Wah	, 2008, at
J	Gun
Jun Guo	
122 Unive	ersity Village
Salt Lake	City, Utah 84108
STATE OF VIA () ;ss	
COUNTY OF 59/+ 19/12 ""	
On this 27 day of 00+, me Jun Guo who proved to me on the basis of satisfact whose name is subscribed to on this Assignment, and a	ory evidence to be the person
the same	
NOTARY PUBLIC MARIE GACNIK 3450 So. Kighland Drive Salt Lake City, Utah 84106 My Commission Expires October 17, 2011 STATE OF UTAH	NOTARY PUBLIC COMMISSION EXPIRATION

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