

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIAN YAO	07/15/2005
RECEIVING PARTY DATA	
Name:	SMITH INTERNATIONAL, INC.
Street Address:	1310 Rankin Road
City:	Houston
State/Country:	TEXAS
Postal Code:	77073
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12823589
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ATTORNEY DOCKET NUMBER:	65809/M277
NAME OF SUBMITTER:	Constantine Marantidis
Total Attachments: 2 source=65809-Assignment#page1.tif source=65809-Assignment#page2.tif	

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ASSIGNMENT

WHEREAS, I, XIAN YAO, residing at 9574 South Equestrain Park, Sandy, Utah 84092, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **GRADIENT POLYCRYSTALLINE CUBIC BORON NITRIDE MATERIALS AND TOOLS INCORPORATING SUCH MATERIALS**, filed **April 1, 2005**, Application No. 11/097,476, together with claim to the priority of United States Provisional Application No. 60/558,836, filed April 2, 2004.

AND WHEREAS SMITH INTERNATIONAL, INC., a Delaware Corporation, having a place of business at 16740 Hardy Street, Houston, Texas 77032 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY further covenant and agree that I will communicate to ASSIGNEE any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all

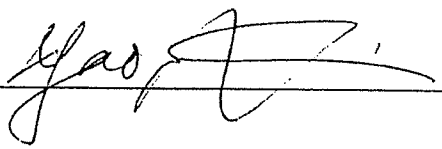
ASSIGNMENT

Docket No. 54343/CM/M277

Sole

divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 13 day of JULY, 2005

Xian Yao 

STATE OF)
COUNTY OF)

On July 13, 2005, before me Sharmae Gilgen, Notary Public, personally appeared Xian Yao personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Sharmae W. Gilgen
Signature of Notary

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