

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>Yahua Bao</td><td>09/07/2011</td></tr><tr><td>Scott Horman</td><td>09/07/2011</td></tr><tr><td>Xian Yao</td><td>09/07/2011</td></tr><tr><td>Qingyuan Liu</td><td>09/07/2011</td></tr></tbody></table>	Name	Execution Date	Yahua Bao	09/07/2011	Scott Horman	09/07/2011	Xian Yao	09/07/2011	Qingyuan Liu	09/07/2011	
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Scott Horman	09/07/2011										
Xian Yao	09/07/2011										
Qingyuan Liu	09/07/2011										
RECEIVING PARTY DATA											
Name:	SMITH INTERNATIONAL, INC.										
Street Address:	1310 Rankin Road										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77073										
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>13228240</td></tr></tbody></table>	Property Type	Number	Application Number:	13228240							
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Application Number:	13228240										
CORRESPONDENCE DATA											
Fax Number: (626)577-8800 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 626-795-9900											
Email: pto@cph.com											
Correspondent Name: CHRISTIE, PARKER & HALE, LLP											
Address Line 1: PO BOX 7068											
Address Line 4: PASADENA, CALIFORNIA 91109-7068											
ATTORNEY DOCKET NUMBER:	68244/M277										
NAME OF SUBMITTER:	Tiffany A. Parcher										
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif											

OP \$40.00 13228240

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PATENT
REEL: 026875 FRAME: 0130

ASSIGNMENT

WHEREAS, WE, YAHUA BAO, SCOTT HORMAN, XIAN YAO, AND QINGYUAN LIU, residing at Orem, UT; Lindon, UT; Sandy, UT; and ~~Provo~~^{Orem}, UT, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **EDM CUTTABLE, HIGH CBN CONTENT SOLID PCBN COMPACT**, together with claim to the priority of United States Provisional Application No. 61/381,030, filed September 8, 2010;

AND WHEREAS SMITH INTERNATIONAL, INC., a Delaware corporation, having a place of business at 1310 Rankin Road, Houston, TX 77073 (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 us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we 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, including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement 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 we 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 WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

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

ASSIGNMENT
Docket No. 68244/M277

Joint

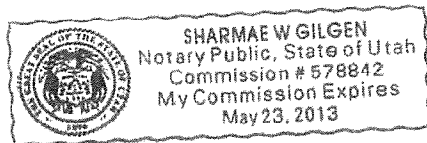
IN TESTIMONY WHEREOF, I hereunto set my hand this 07 day of September,
20 11

Yahua BAO
Yahua BAO

STATE OF UTAH)
COUNTY OF Utah)

On Sept. 7, 2011 before me, Sharmae Gilgen, Notary Public, personally appeared **Yahua BAO**, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of Utah that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Sharmae Gilgen
Signature of Notary (Seal)

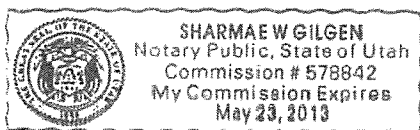
IN TESTIMONY WHEREOF, I hereunto set my hand this 7th day of September, 20 11.

Scott HORMAN
Scott HORMAN

STATE OF UTAH)
COUNTY OF Utah)

On Sept. 7, 2011 before me, Sharmae Gilgen, Notary Public, personally appeared **Scott HORMAN**, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of Utah that the foregoing paragraph is true and correct.




WITNESS my hand and official seal.

Sharmae Gilgen
Signature of Notary (Seal)

ASSIGNMENT
Docket No. 68244/M277

Joint

IN TESTIMONY WHEREOF, I hereunto set my hand this 7TH day of SEPT, 2011.

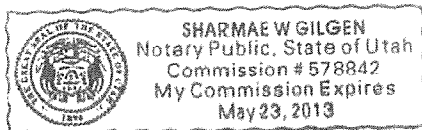

Xian YAO

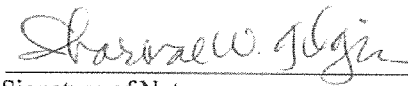
STATE OF UTAH)
COUNTY OF Utah)

On Sept. 7, 2011 before me, Sharmae Gilgen, Notary Public, personally appeared **Xian YAO**, who 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.


I certify under PENALTY OF PERJURY under the laws of the State of Utah that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Signature of Notary (Seal)

IN TESTIMONY WHEREOF, I hereunto set my hand this 7th day of September, 2011.

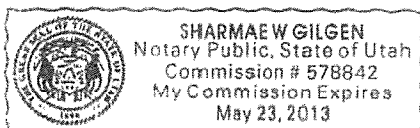

Qingyuan LIU


STATE OF UTAH)
COUNTY OF Utah)

On Sept. 7, 2011 before me, Sharmae Gilgen, Notary Public, personally appeared **Qingyuan LIU**, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of Utah that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Signature of Notary (Seal)

TP/clm