

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>Yuuzoh FUKUNAGA</td> <td>08/19/2013</td> </tr> <tr> <td>Kazuyuki KUBOTA</td> <td>08/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yuuzoh FUKUNAGA	08/19/2013	Kazuyuki KUBOTA	08/19/2013
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Yuuzoh FUKUNAGA	08/19/2013						
Kazuyuki KUBOTA	08/19/2013						
RECEIVING PARTY DATA							
Name:	Hitachi Tool Engineering, Ltd.						
Street Address:	2-1, Shibaura 1-chome						
City:	Minato-ku, Tokyo						
State/Country:	JAPAN						
Postal Code:	105-0023						
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>14008463</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14008463		
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Application Number:	14008463						
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Signature:	/Erin Harnett/						
Date:	10/01/2013						
Total Attachments: 1 source=Q207286AssignmentExecutedasfiled#page1.tif							

OP \$40.00 14008463

Assignment

Whereas, I/We, Yuuzoh FUKUNAGA, of 13-2, Shinizumi, Narita-shi, Chiba, 286-0825, Japan; Kazuyuki KUBOTA, of 13-2, Shinizumi, Narita-shi, Chiba, 286-0825, Japan; hereinafter called assignor(s), have invented certain improvements in

HARD-COATED MEMBER AND ITS PRODUCTION METHOD, AND INDEXABLE ROTARY TOOL COMPRISING IT

and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas,

Hitachi Tool Engineering, Ltd.

2-1, Shibaura 1-chome,

Minato-ku, Tokyo, 105-0023, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 14/008,463 and Confirmation number 1717, filed 09/27/2013) the filing date and application number of said application when known.

Date: August 19, 2013 Yuuzoh Fukunaga
s/ Yuuzoh FUKUNAGA

Date: August 19, 2013 Kazuyuki Kubota
s/ Kazuyuki KUBOTA

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)