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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies): Akira Osada Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>Mitsubishi Materials Corporation</u> Internal Address: _____ Street Address: _____ 5-1, Otemachi 1-chome Chiyoda-ku, Tokyo JAPAN City: _____ State: _____ Country: _____ Zip: _____ Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>July 28, 2005</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____			
4. Application or patent number(s): A. Patent Application No.(s) This application Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> This document is being filed together with a new application. B. Patent No.(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Joseph R. Robinson</u> <u>DARBY & DARBY P.C.</u> Internal Address: <u>Atty. Dkt.: 20154/0203130-USO</u> Street Address: <u>P.O. Box 5257</u> City: <u>New York</u> State: <u>NY</u> Zip: <u>10150-5257</u> Phone Number: <u>(212) 527-7783</u> Fax Number: <u>(212) 753-6237</u> Email Address: <u>jrobinson@darbylaw.com</u>		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
		8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number _____ Authorized User Name _____	
9. Signature: <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <u>Joseph R. Robinson - 33,448</u> Name of Person Signing </div> <div style="text-align: center;"> <u>RYAN ROBINSON</u> <u>(53,970)</u> Signature </div> <div style="text-align: center;"> <u>August 4, 2005</u> Date </div> </div>			
			Total number of pages including cover sheet, attachments, and documents: 3

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ASSIGNMENT

I, Akira Osada, a citizen of Japan, residing at c/o Central Research Institute Naka Research Center; Mitsubishi Materials Corporation; 1002-14, Mukaiyama, Naka-machi; Naka-gun, Ibaraki-ken; JAPAN;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

Mitsubishi Materials Corporation

a corporation organized under the laws of Japan, located at 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo, JAPAN (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **in and for the United States of America only** in and to my Invention entitled:

SURFACE-COATED CERMET CUTTING TOOL WITH HARD COATING LAYER
HAVING EXCELLENT CHIPPING RESISTANCE IN HIGH-SPEED INTERMITTENT
CUTTING WORK

invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and

desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: 28. July . 2005

Akira Osada
Akira Osada, Inventor