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o the Honorable Commissioner of Patents and Trademarks. Pl	ease record the attached original documents or copy thereof.
1. Name of conveying party(ies): Tatsuo ARAI and Hiroshi SHIMOMURA Additional name(s) of conveying party(ies) attached? Yes ☒ No 3. Nature of Conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: June 7, 14, 1999	Name and address of receiving party(ies): Name: MITSUBISHI MATERIALS CORPORATION Address: 1-5-1, Ohtemachi, Chiyoda-ku, Tokyo, JAPAN Additional name(s) & address(es) attached? Yes 100 P
4. Application number(s) or patent number(s):	THADEMANH
If this document is being filed together with a new application,	
A. Patent Application No.(s)	B. Palent No.(s)
(09/306,795) Additional numbers	attached? □ Yes ☒ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law Fourth Floor 1755 Jefferson Davis Highway Arlington, Virginia 22202	 7. Total fee (37 CFR 3.41):\$ 40.00
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. C. Irvin McClelland Name of Person Signing Registration No. 21,124 Registration No. 21,124	nuso Date
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80x Ass Washington,	ignments D.C. 20231 ad to average about 30 minutes per document to be recorded.

PATENT REEL: 010084 FRAME: 0338

	WHEREAS, I (WE)			
	Tatsuo ARAI, Yuuki-gun, Japan			
SERT NAMES ND RESIDENCE DDRESSES OF IE INVENTORS:	Hiroshi SHIMOMURA, Yuuki-gun, Japan			
	, respectively			
SERT TITLE F INVENTION:	have invented certain new and useful improvements in:			
	CUTTING TOOL AND METHOD FOR SUPPLYING CUTTING MEDIUM TO THE SAME			
SERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application for Letters Patent was executed on			
	(Application No. 09/306,795, filed May 7, 1999, and), and			
SERT NAME ND ADDRESS OF OMPANY OR THER ASSIGNEE:	Mitsubishi Materials Corporation WHEREAS,			
	(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-5-1, Ohtemachi, Chiyoda-ku, Tokyo, Japan			
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to an Letters Patent that may be granted therefore in the United States and its territorial possessions and its			

any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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PATENT REEL: 010084 FRAME: 0339 I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 1999. June . 7	(Signature of Inventor) Tatsuo ARAI
Date: 1999. June 14	(Signature of Inventor) Hiroshi SHIMOMURA
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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PATENT REEL: 010084 FRAME: 0340