FORM PTO-1595

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To the Director of the United States Patent and Trademark Office. Please record the bracked original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Claude TURRINI **SNECMA MOTEURS** Name: Alain MARTINEZ Address: 2, boulevard du Général Martial Valin 75015 Véronique ZERROUKI Paris France Additional name(s) of conveying party(ies) attached?

Yes No 03-14-2005 3. Nature of Conveyance: Assignment ☐ Merger ☐ Change of Name ☐ Security Agreement 102958171 ☐ Other Additional name(s) and address(es) attached?

Yes
No Execution Date: October 25, 2004 4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application B. Patent No.(s) A. Patent Application No.(s) 10/961,060 Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed 22850 ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. fund Jachan March 7 2005
Signature Date Philippe J.C. Signore, Ph.D. Name of Person Signing Surinder Sachar Registration Number: 43,922 Registration No. 34,423 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313 03/10/2005 MBIZUNES 00000003 10961060 01 FC:8021 40.00/DP

> PATENT REEL: 016343 FRAME: 0310

Assignment of Application

Page 1 of 2

	WHEREAS, I (WE) TURRINI Claude					
NSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:		26, rue de la Libération 9	1610 BALLANCOURT	FRANCE		
	MARTINEZ Alain					
	24, boulevard Henri Dunant 91100 CORBEIL ESSONNES FRANCE					
	ZERROUKI Véronique					
		12, rue des meuniers 7501	12 PARIS	FRANCE		
		-				
NSERT TITLE F INVENTION:				·····	_, respectively,	
	have invented certain ne	ew and useful improvements i	in: A CERAMIC BIT	FOR HIGH SPEED	DRILLING	
ISERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application	for Letters Patent was execu	ted on October 25,	2004		
ISERT NAME ND ADDRESS OF OMPANY OR THER ASSIGNEE	(Application No.	10/961,060	_, filed October 12	, 2004), and	
	WHEREAS, SN	ECMA MOTEURS				
	(hereinafter referred to as "ASSIGNEE") having a place of business at: 2, boulevard du Général Martial Valin					
	75015 PARIS FRANCE					

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in 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.

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.

10/01

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 1940 Duke Street Alexandria, Virginia 22314 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: 1011	 0 4	(Signature of Inventor)	TURRINI Claude	
Date: 10129	104	(Signature of Inventor)	MARTINEZ Alain	
Date:	5/04	(Signature of Inventor)	ZERROUKI Véronique	
Date:		(Signature of Inventor)		
Date:		(Signature of Inventor)		
Date:		(Signature of Inventor)		
Date:		(Signature of Inventor)		
Date:		(Signature of Inventor)		

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PATENT RECORDED: 03/07/2005 REEL: 016343 FRAME: 0312