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To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Caroline AUMONT Name: **SNECMA** Sandrine CHATEL Address: 2, Boulevard du Général Martial Valin Bruno Jacques Gérard DAMBRINE 75015 PARIS FRANCE Didier René André ESCURE Jean-François FROMENTIN Jean-yves GUEDOU Ludovic Edmond Camille MOLLIEX Stéphane ROUSSELIN Additional name(s) of conveying party(ies) attached?

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

Yes No Execution Date: May 24, 2006 4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application A. Patent Application No.(s) B. Patent No.(s) 11/427,106 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 ☐ Authorized to be charged to deposit account Tcl. (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. JUL **3 1** 2006 Philippe J.C. Signore, Ph.D Date Name of Person Signing Registration Number: 43,922 Joseph Scafetta, Jr. Total number of Do not detach this portion

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81 FC:8921 40.28 GM

PATENT REEL: 018144 FRAME: 0678 INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

Assignment of Application

Page 1 of 2

WHEREAS, I (WE	AUMONT Caroline	
	212 Bis, rue de Charenton 75012 PARIS FRANCE	
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	DAMBRINE Bruno, Jacques, Gérard	
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	87, Chemin des Acacias 77176 NANDY FRANCE	
	FROMENTIN Jean-François	
	16 allée des Néfliers Résidence les Tennis 77240 CESSON LA FORET FRANCE	
	GUEDOU Jean-yves	
	129 Rue Maryse Bastié, 77350 LE MEE SUR SEINE, FRANCE	
	MOLLIEX Ludovic Edmond Camille	
	13 avenue Madeleine 91800 BRUNOY FRANCE	
	ROUSSELIN Stéphane 5, Quai de Seine 77850 HERICY FRANCE	
	, respectively,	
have invented certa	in new and useful improvements in:	
TURBOMACHINE RING	ROTOR INCLUDING AT LEAST ONE DISK REINFORCED BY A COMPOSITE	
for which an applic	ation for Letters Patent was executed on May 24, 2006	
(Application No.	11/427,106 , filed June 28, 2006), and	
WHEREAS,	SNECMA	
	to as "ASSIGNEE") having a place of business at:	
2, Boulevard du Gé		
that may be grante countries;	ring the entire right, title and interest in and to said invention and in and to any Letters Patent d therefore in the United States and its territorial possessions and in any and all foreign	

INSERT TITLE
OF INVENTION:
INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

INSERT DATE IN-VENTORS SIGNED DECLARATION:

> PATENT REEL: 018144 FRAME: 0679

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 therefore 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 behoove 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 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.

	The state of the secondation of this document.
Date: 2 4 MAI 2006	Alva
	(Signature of Inventor) AUMONT Caroline
Date: 2 4 MAI 2006	Schalet
	(Signature of Inventor) CHATEL Sandrine
Date: 2 4 MAI 2006	2
	(Signature of Inventor) DAMBRINE Bruno, Jacques, Gérard
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Date: 2 4 MAI 2006	
	(Signature of Inventor) FROMENTIN Jean-François
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	(Signature of Inventor) GUEDOU Jean-yves
Date: 2 4 MAI 2006	Alcor
	(Signature of Inventor) MOLLIEX Ludovic, Edmond, Camille
Date: 2 4 MAI 2006	Marchi
	(Signature of Inventor) ROUSSELIN Stéphane

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 018144 FRAME: 0680

RECORDED: 07/31/2006