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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
Stephane Emmanuel Daniel BENSILUM	07/26/2013		
Jean BERTUCCHI	07/26/2013		
Mathieu GAILLOT	07/26/2013		

RECEIVING PARTY DATA

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State/Country:	FRANCE
Postal Code:	75015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14003180

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	421246US41PCT
NAME OF SUBMITTER:	Adel Samuel
Signature:	/Adel Samuel/
Date:	09/10/2013

Total Attachments: 2

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PATENT REEL: 031172 FRAME: 0191 OF \$40.00 14003180

Assignment of Application

									_
	WHEREAS, I (WE)	BENSILUM Stéphane E	mmanu	el, Danie	el				
ISERT NAMES		16 Rue Raymond Jaclard	94140) ALF	ORTVIL	LE			FRANCE
ND RESIDENCE DDRESS OF HE INVENTORS:	BERTUCCHI Jean								
		1 Place Van Gogh 9432	0 TH	IAIS					FRANCE
	GAILLOT Mathieu								
		134 Bis rue Charenton	Appt 7	75012	PARIS				FRANCE
								_ , resp	ectively,
SERT TITLE	have invented certain i	new and useful improveme	nts in:	PIPE	HAVING	AN	UPSTREAM	CORE	HAVING
				A SHA	RP CUR	VATI	JRE		
					•				
	(Application No14	/003,180	. filed	Sep	tember	4,	2013), and
		111.	,			•			
	WHEREAS, SN	ECMA,,							
		as "ASSIGNEE") having						-	
		,							
	SNECMA 2 Boulevard du Généra	F B. Grand - 1 X 7 - 11 -							
	75015 PARIS	i Martiai Valin							
	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.

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE Page 1 of 2

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, LLP. 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: <u>July 26, 2013</u>					
July Evi	(Signature of Inventor) BENSILUM Stéphane Emmanuel, Daniel				
Date: _{July 26} , 2013					
•	(Signature of Inventor) BERTUCCHI Jean				
Date: <u>July 26, 2013</u>					
•	(Signature of Inventor) — GAILLOT Mathieu				

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PATENT REEL: 031172 FRAME: 0193

RECORDED: 09/10/2013