

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Fabrice Marcel Noel GARIN</td> <td>06/08/2012</td> </tr> <tr> <td>Romain Nicolas LUNEL</td> <td>06/08/2012</td> </tr> <tr> <td>Bruno Andre Jean VARIN</td> <td>06/08/2012</td> </tr> <tr> <td>Clement ROUSSILLE</td> <td>06/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Fabrice Marcel Noel GARIN	06/08/2012	Romain Nicolas LUNEL	06/08/2012	Bruno Andre Jean VARIN	06/08/2012	Clement ROUSSILLE	06/08/2012
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<table border="1"> <tr> <td>Name:</td> <td>SNECMA</td> </tr> <tr> <td>Street Address:</td> <td>2 Boulevard Du General Martial Valin</td> </tr> <tr> <td>City:</td> <td>Paris</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>75015</td> </tr> </table>		Name:	SNECMA	Street Address:	2 Boulevard Du General Martial Valin	City:	Paris	State/Country:	FRANCE	Postal Code:	75015
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13520433</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13520433						
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Application Number:	13520433										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Oblon, Spivak, et al.										

OP \$40.00 13520433

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Address Line 4:	Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	401040US41XPCT
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NAME OF SUBMITTER:	Mesfin Kassaye
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Total Attachments: 4 source=401040US41XPCTASSIGNMENT#page1.tif source=401040US41XPCTASSIGNMENT#page2.tif source=401040US41XPCTASSIGNMENT#page3.tif source=401040US41XPCTASSIGNMENT#page4.tif
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**Assignment of Application**

Page 1 of 2

WHEREAS, I (WE) GARIN Fabrice, Marcel, NoëlINSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:8 Rue Latour Maubourg 77350 BOISSISE LA BERTRAND FRANCELUNEL Romain , Nicolas11 rue d' Eprunes 77950 MONTEREAU SUR LE JARD FRANCEVARIN Bruno , André, Jean43 rue de Reuilly 75012 PARIS FRANCEROUSSILLE Clément7 Rue des Fauvettes 33200 BORDEAUX FRANCE

, respectively,

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in:

LAYOUT OF A BLISK(Application No. 13/520,433 , filed July 3, 2012 ), andWHEREAS, SNECMA ,SNECMA PROPULSION SOLIDE ,

(hereinafter referred to as "ASSIGNEE") having a place of business at

SNECMA  
2 Boulevard du Général Martial Valin  
75015 PARIS FRANCESNECMA PROPULSION SOLIDE  
Les 5 chemins  
33187 LE HAILLAN FRANCEINSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEEis 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;

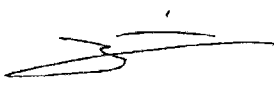
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United 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.

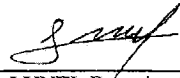
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute 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.

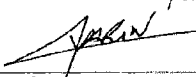
Date: June 8, 2012

  
(Signature of Inventor) GARIN Fabrice, Marcel, Noël

Date: June 8, 2012

  
(Signature of Inventor) LUNEL Romain, Nicolas

Date: June 8, 2012

  
(Signature of Inventor) VARIN Bruno, André, Jean

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor) ROUSSILLE Clément

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, LLP.  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314  
ETATS-UNIS D'AMERIQUE

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Date: _____	_____ (Signature of Inventor) LUNEL Romain , Nicolas
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Date: <u>June 8, 2012</u>	 _____ (Signature of Inventor) ROUSSILLE Clément

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, LLP.**  
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