

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Umberto APRILE	08/02/2007
Jean-Claude Jacques GIRAL	08/02/2007
Bernard Louis LALLEMENT	08/02/2007
Jean-Louis Martial VERGER	08/02/2007
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11834893
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ATTORNEY DOCKET NUMBER:	313149US41
NAME OF SUBMITTER:	Elizabeth A Chaston
<p>Total Attachments: 2</p> <p>source=313149USAssignment#page1.tif</p>	

OP \$40.00 11834893

**500329502**

**PATENT**  
**REEL: 019659 FRAME: 0151**



# Assignment of Application

Page 1 of 2

WHEREAS, I (WE) APRILE Umberto

6 Place de l'Eglise 92500 RUEIL MALMAISON FRANCE

GIRAL Jean-Claude , Jacques

7 Rue Joseph Bethenod 95600 EAUBONNE FRANCE

LALLEMENT Bernard, Louis

6 Rue Hennocque 95600 EAUBONNE FRANCE

VERGER Jean-Louis, Martial

98 Avenue Anatole France 93140 BONDY FRANCE

, respectively,

have invented certain new and useful improvements in PROCESS FOR MANUFACTURING SINGLE-CRYSTAL

SEEDS SIMULTANEOUSLY WITH THE CASTING OF SINGLE-CRYSTAL PARTS

for which an application for Letters Patent was executed on AUGUST 02, 2007

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

WHEREAS, SNECMA , ,

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

SNECMA

2 Bd du Gal 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 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.


**PATENT**

**REEL: 019659 FRAME: 0153**

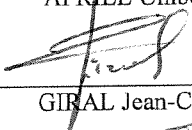
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute 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: 02.08.07

  
(Signature of Inventor) APRILE Umberto


Date: 02.08.07

  
(Signature of Inventor) GIRAL Jean-Claude, Jacques

Date: 02.08.07

  
(Signature of Inventor) LALLEMENT Bernard, Louis

Date: 02.08.07

  
(Signature of Inventor) VERGER Jean-Louis Martial

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

\_\_\_\_\_  
(Signature of Inventor)

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

\_\_\_\_\_  
(Signature of Inventor)

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

\_\_\_\_\_  
(Signature of Inventor)

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

\_\_\_\_\_  
(Signature of Inventor)

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