502673389 02/10/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CELINE YANXI CHAN	01/31/2014
BENOIT GEORGES JOCELYN MARIE	01/31/2014
DAVID LOCATELLI	01/31/2014

RECEIVING PARTY DATA

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City:	PARIS	
State/Country:	FRANCE	
Postal Code:	75015	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14237982

CORRESPONDENCE DATA

Fax Number: (703)413-2220 Phone: (703) 413-3000

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Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: OBLON, SPIVAK, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	429707US41PCT
NAME OF SUBMITTER:	SHEWAYE GETASETEGNE
Signature:	/Shewaye Getasetegne/
Date:	02/10/2014 PATENT

502673389 REEL: 032182 FRAME: 0548

Total Attachments: 4

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> PATENT REEL: 032182 FRAME: 0549

Assignment of Application

	WHEREAS, I (WE) CHAN Céline Yanxi	
	35 rue d'Amsterdam 75008 PARIS	FRANCE
SERT NAMES ID RESIDENCE DORESS OF IE INVENTORS:	MARIE Benoit Georges, Jocelyn	
2.1.2	32 rue des Templiers 60290 NEUILLY SOUS CLERMONT	FRANCE
	LOCATELLI David	
	16, rue Gabriel School 33320 EYSINES	FRANCE
		, respectively,
BERT TITLE LAVENTION:	have invented certain new and useful improvements in METHOD FOR CASTING MONOC	CRYSTALLINE META
	PARTS	
	PARTS	
	PARTS), and
	(Application No, filed), and
	(Application No), and

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 3

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:	JANUARY	31,	2014	
-				(Signature of Inventor) CHAN Céline Yanxi
Date:	JANUARY	31,	2014	Loai
•				(Signature of inventor) MARIE Benoit Georges, Jocelyn
Date:	<u>. </u>			
				(Signature of Inventor) LOCATELLI David

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

PATENT REEL: 032182 FRAME: 0551

Assignment of Application

	WHEREAS, I (WE) CHAN Céline Yanxi	
	35 rue d'Amsterdam 75008 PARIS	FRANCE
SERT NAMES ID RESIDENCE DORESS OF IE INVENTORS:	MARIE Benoit Georges, Jocelyn	
2.1.2	32 rue des Templiers 60290 NEUILLY SOUS CLERMONT	FRANCE
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BERT TITLE LAVENTION:	have invented certain new and useful improvements in METHOD FOR CASTING MONOC	CRYSTALLINE META
	PARTS	
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Date:	(Signature of Inventor) CHAN Céline Yanxi
Date:	(Signature of Inventor) MARIE Benoit Georges, Jocelyn
Date: JANUARY 31, 2014	(Signature of Inventor) I.OCATELLI David

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PATENT REEL: 032182 FRAME: 0553

RECORDED: 02/10/2014