PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2820478

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	04/03/2014

RECEIVING PARTY DATA

Name:	STMICROELECTRONICS SA	
Street Address:	29, BOULEVARD ROMAIN ROLLAND	
City:	MONTROUGE	
State/Country:	FRANCE	
Postal Code:	F-92120	
Name:	STMICROELECTRONICS (CROLLES 2) SAS	
Name: Street Address:	STMICROELECTRONICS (CROLLES 2) SAS 850 RUE JEAN MONNET	
	· · · · · · · · · · · · · · · · · · ·	
Street Address:	850 RUE JEAN MONNET	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13230035

CORRESPONDENCE DATA

Fax Number: (703)836-2787

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 703-836-6400 email@oliff.com

Correspondent Name: JOEL S. ARMSTRONG

Address Line 1: OLIFF, PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	150598
NAME OF SUBMITTER:	CHANDEL LAWRENCE
SIGNATURE: /Chandel Lawrence/ for Joel S. Armstrong	
DATE SIGNED:	04/18/2014

Total Attachments: 2

REEL: 032708 FRAME: 0672

PATENT -

source=150598_CtC_Assignment#page1.tif source=150598_CtC_Assignment#page2.tif

> PATENT REEL: 032708 FRAME: 0673

ASSIGNMENT

WHEREAS, COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, a company established under the laws of France whose address is 25 rue Leblanc, Batiment "Le Ponant D", F-75015 Paris, France (hereinafter called "Assignor"), is the owner by assignment duly recorded in the United States Patent and Trademark Office at the Reel and Frame(s) indicated below of the following United States Letters Patent(s) and/or patent application(s) (hereinafter called "Patent Properties"):

Application or Patent Number and Date of Filing or Issue

Named Inventors

13/230,035

Fabrice CASSET; Lionel CADIX; Perceval COUDRAIN; Alexis FARCY; Laurent-Luc CHAPELON; Yanice FELK; and Pascal ANCEY

The undersigned has reviewed all the documents in the chain of title identified above; and to the best of the undersigned's knowledge and belief, title is in the Assignor. The undersigned is empowered to sign this Assignment on behalf of the Assignor.

WHEREAS, STMICROELECTRONICS SA, a company established under the laws of France whose address is 29, Boulevard Romain Rolland, F-92120 Montrouge, France (hereinafter called "Assignee"), and STMICROELECTRONICS (CROLLES 2) SAS, a company established under the laws of France whose address is 850 rue Jean Monnet. F-38920 Crolles, France (hereinafter called "Assignee"), are desirous of acquiring the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, non-provisional, divisional, continuation, international, design, confirmation, substitute and reissue application(s) or extensions of the same.

Now, To All Whom It May Concern: Be it known that for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, unto Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, non-provisional, divisional, continuation, international, design, confirmation, substitute and reissue application(s) or extensions thereof; the same to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of

1 of 2

said Patent Properties with the right to sue for and collect the same for its own use and for the use of its successors, assigns and legal representatives.

Assignor agrees that this assignment is binding on Assignor and its successors, assigns and legal representatives.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any Letters Patent of the United States, resulting from said Patent Properties and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof, to Assignees.

Assignor agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning said Patent Properties (and/or patents that may be granted therefrom), or any confirmation, division, continuation, reexamination or reissue thereof, and to cooperate with Assignees in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

Assignor covenants that it has full right to convey the interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

Assignor agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Assignor agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to Assignees.

Assignor grants the firm of OLIFF PLC of Alexandria, Virginia the power to insert on this Assignment any further identification 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.

This Assignment is effective as of the 03 rd day of April, 2014.

Witness: France HARMONIE

Witness: Cathy SAULNIER

Signature

Officer of Assignor

Philippe MORISSEAU

Typewritten Name of Officer

Deputy Manager of CEA/DJC/SCPIA

Title of Officer