PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5029551

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
GUIDO MARCO BERTONI	03/12/2018
WILLIAM ORLANDO	02/23/2018
ROBERTA VITTIMANI	03/23/2018

RECEIVING PARTY DATA

Name:	STMICROELECTRONICS S.R.L.
Street Address:	VIA OLIVETTI, 2
City:	AGRATE BRIANZA (MB)
State/Country:	ITALY
Postal Code:	20864

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16022110

CORRESPONDENCE DATA

Fax Number: (972)732-9218

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 9727321001

Email: docketing@slatermatsil.com **Correspondent Name:** SLATER MATSIL, LLP/ST- EP

Address Line 1: 17950 PRESTON ROAD, SUITE 1000

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	ST-16-GRA-0613US01
NAME OF SUBMITTER:	WENDY SAXBY
SIGNATURE:	/Wendy Saxby/
DATE SIGNED:	06/28/2018

Total Attachments: 6

source=4TR9924#page1.tif

source=4TR9924#page2.tif

source=4TR9924#page3.tif

source=4TR9924#page4.tif

PATENT 504982805 REEL: 046231 FRAME: 0806

source=4TR9924#page5.tif source=4TR9924#page6.tif

> PATENT REEL: 046231 FRAME: 0807

ASSIGNMENT

Application Number: TBD Application Country/Region: US

Application Title: HARDWARE SECURE MODULE, RELATED PROCESSING SYSTEM.

INTEGRATED CIRCUIT, DEVICE AND METHOD

Assignee: STMICROELECTRONICS S.r.l.

Assignee being a company, corporation, or juristic entity of: Italy

Assignee's principal place of business: Via C. Olivetti, 2, Agrate Brianza (MB), Italy, 20864

I, the below identified and undersigned inventor or co-inventor, as the case may be, of residence listed below, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, hereby transfer and assign to Assignee, its legal representatives, successors, and assigns, my entire right, title, and interest in and to the inventions for which the above identified patent application is made and describes (hereinafter referred to as "the Patent Rights"), together with any and all patents or patent applications anywhere worldwide to which any of the Patent Rights directly or indirectly claims priority, including but not limited to provisional applications thereof, or for which any of the Patent Rights directly or indirectly forms a basis for priority, together with all existing and/or future continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts of any item in any of the foregoing, together with the right to sue for and be entitled to any damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement thereof, together with all rights worldwide in the Patent Rights; said entire right, title, and interest, to be held and enjoyed by the Assignee for its own use and enjoyment and for the use and enjoyment of its legal representatives, successors, and assigns to the full end of the term for which the aforementioned rights may be granted anywhere in the world.

I hereby further agree to assist in and execute all documents needed now or in the future to perfect, obtain, and secure the aforementioned rights to Assignee, its legal representatives, successors, and assigns, for any jurisdiction in the world. At the expense of Assignee, or its legal representatives, successors, or assigns, I agree to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee, its legal representatives, successors, and assigns, to enforce the aforementioned rights in any and all countries and regions worldwide.

I hereby grant Assignee, along with the following Assignee representatives, the power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document any place in the world: All practitioners at Customer Number 102473.

ST Docket Number: ST-16-GRA-0613US01

1

If there are co-inventors listed below, the signatures of all the inventors need not appear on the same page, and each inventor may sign this Assignment in multiple counterparts, such that each separately signed counterpart of this Assignment constitutes an original Assignment for the inventor(s) that signed such counterpart.

Inventor Name	Residence (City, State, Country)	Inventor Signature	Date Signed
Guido Marco Bertoni	Bernareggio, Italy	ju julat	12[3](8
William Orlando	Peynier, France		
Roberta Vittimani	Agrate Brianza, Italy		

ST Docket Number: ST-16-GRA-0613US01

REEL: 046231 FRAME: 0809

ASSIGNMENT

Application Number: TBD Application Country/Region: US

Application Title: HARDWARE SECURE MODULE, RELATED PROCESSING SYSTEM,

INTEGRATED CIRCUIT, DEVICE AND METHOD

Assignee: STMICROELECTRONICS S.r.l.

Assignee being a company, corporation, or juristic entity of: Italy

Assignee's principal place of business: Via C. Olivetti, 2, Agrate Brianza (MB), Italy, 20864

I, the below identified and undersigned inventor or co-inventor, as the case may be, of residence listed below, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, hereby transfer and assign to Assignee, its legal representatives, successors, and assigns, my entire right, title, and interest in and to the inventions for which the above identified patent application is made and describes (hereinafter referred to as "the Patent Rights"), together with any and all patents or patent applications anywhere worldwide to which any of the Patent Rights directly or indirectly claims priority, including but not limited to provisional applications thereof, or for which any of the Patent Rights directly or indirectly forms a basis for priority, together with all existing and/or future continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts of any item in any of the foregoing, together with the right to sue for and be entitled to any damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement thereof, together with all rights worldwide in the Patent Rights; said entire right, title, and interest, to be held and enjoyed by the Assignee for its own use and enjoyment and for the use and enjoyment of its legal representatives, successors, and assigns to the full end of the term for which the aforementioned rights may be granted anywhere in the world.

I hereby further agree to assist in and execute all documents needed now or in the future to perfect, obtain, and secure the aforementioned rights to Assignee, its legal representatives, successors, and assigns, for any jurisdiction in the world. At the expense of Assignee, or its legal representatives, successors, or assigns, I agree to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee, its legal representatives, successors, and assigns, to enforce the aforementioned rights in any and all countries and regions worldwide.

I hereby grant Assignee, along with the following Assignee representatives, the power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document any place in the world. All practitioners at Customer Number 102473.

ST Docket Number: ST-16-GRA-0613US01

PATENT REEL: 046231 FRAME: 0810 If there are co-inventors listed below, the signatures of all the inventors need not appear on the same page, and each inventor may sign this Assignment in multiple counterparts, such that each separately signed counterpart of this Assignment constitutes an original Assignment for the inventor(s) that signed such counterpart.

Inventor Name	Residence (City, State, Country)	Inventor Signature	Date Signed
Guido Marco Bertoni	Bernareggio, Italy		
William Orlando	Peynier, France	William ORLANDO	23/02/2018
Roberta Vittimani	Agrate Brianza, Italy		

ST Docket Number: ST-16-GRA-0613US01

PATENT

2

ASSIGNMENT

Application Number: TBD Application Country/Region: US

Application Title: HARDWARE SECURE MODULE, RELATED PROCESSING SYSTEM,

INTEGRATED CIRCUIT, DEVICE AND METHOD

Assignee: STMICROELECTRONICS S.r.I.

Assignee being a company, corporation, or juristic entity of: Italy

Assignee's principal place of business: Via C. Olivetti, 2, Agrate Brianza (MB), Italy, 20864

I, the below identified and undersigned inventor or co-inventor, as the case may be, of residence listed below, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, hereby transfer and assign to Assignee, its legal representatives, successors, and assigns, my entire right, title, and interest in and to the inventions for which the above identified patent application is made and describes (hereinafter referred to as "the Patent Rights"), together with any and all patents or patent applications anywhere worldwide to which any of the Patent Rights directly or indirectly claims priority, including but not limited to provisional applications thereof, or for which any of the Patent Rights directly or indirectly forms a basis for priority, together with all existing and/or future continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts of any item in any of the foregoing, together with the right to sue for and be entitled to any damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement thereof, together with all rights worldwide in the Patent Rights; said entire right, title, and interest, to be held and enjoyed by the Assignee for its own use and enjoyment and for the use and enjoyment of its legal representatives, successors, and assigns to the full end of the term for which the aforementioned rights may be granted anywhere in the world.

I hereby further agree to assist in and execute all documents needed now or in the future to perfect, obtain, and secure the aforementioned rights to Assignee, its legal representatives, successors, and assigns, for any jurisdiction in the world. At the expense of Assignee, or its legal representatives, successors, or assigns, I agree to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee, its legal representatives, successors, and assigns, to enforce the aforementioned rights in any and all countries and regions worldwide.

I hereby grant Assignee, along with the following Assignee representatives, the power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document any place in the world: All practitioners at Customer Number 102473.

ST Docket Number: ST-16-GRA-0613US01

PATENT REEL: 046231 FRAME: 0812

1

If there are co-inventors listed below, the signatures of all the inventors need not appear on the same page, and each inventor may sign this Assignment in multiple counterparts, such that each separately signed counterpart of this Assignment constitutes an original Assignment for the inventor(s) that signed such counterpart.

Inventor Name	Residence (City, State, Country)	Inventor Signature	Date Signed
Guido Marco Bertoni	Bemareggio, Italy		
William Orlando	Peynier, France		
Roberta Vittimani	Agrate Brianza, Italy	Roberte Voltraissen	23/03/2018

ST Docket Number: ST-16-GRA-0613US01

PATENT

2

REEL: 046231 FRAME: 0813