

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STMICROELECTRONICS (TOURS) SAS	06/29/2022

RECEIVING PARTY DATA

Name:	STMICROELECTRONICS INTERNATIONAL N.V.
Street Address:	CHEMIN DU CHAMP-DES-FILLES 39
Internal Address:	1228 PLAN-LES-OUATES
City:	GENEVA
State/Country:	SWITZERLAND

PROPERTY NUMBERS Total: 13

Property Type	Number
Patent Number:	8953290
Patent Number:	9406970
Patent Number:	9172264
Patent Number:	9780366
Patent Number:	9536747
Patent Number:	9991341
Patent Number:	9472970
Patent Number:	9912185
Patent Number:	10784787
Patent Number:	9541936
Patent Number:	10133290
Patent Number:	9240766
Patent Number:	9722061

CORRESPONDENCE DATA

Fax Number: (972)466-7044

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: 972-466-7280

Email: angie.rodriquez@st.com

Correspondent Name: STMICROELECTRONICS, INC.

Address Line 1: 750 CANYON DRIVE

PATENT

Address Line 2: SUITE 300
Address Line 4: COPPELL, TEXAS 75019

ATTORNEY DOCKET NUMBER: ST TOURS TO STI

NAME OF SUBMITTER: PATRICK C. R. HOLMES

SIGNATURE: /Patrick C. R. Holmes/

DATE SIGNED: 07/12/2022

Total Attachments: 6

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ASSIGNMENT

Assignor:	STMICROELECTRONICS (TOURS) SAS
Assignor being a company, corporation, or juristic entity of:	France
Assignor's principal place of business:	10 rue Thales de Milet Tours, France 37100

Assignee:	STMICROELECTRONICS INTERNATIONAL N.V.
Assignee being a company, corporation, or juristic entity of:	Netherlands
Assignee's principal place of business:	Chemin du Champ-des-Filles 39 1228 Plan-les-Ouates Geneva, Switzerland

WHEREAS, Assignor was assigned certain rights in and to certain inventions, and applications for the Application(s)/Patent(s) listed in the attached Exhibit A; and

WHEREAS, Assignee is desirous of acquiring the entire right, title, and interest in and to the inventions and the application for Application(s)/Patent(s) listed in the attached Exhibit A, and in and to any patent to be obtained therefor and thereon worldwide.

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, Assignor hereby transfers and assigns to Assignee, all of Assignor's rights, title, and interest in and to the following:

(a) the Application(s)/Patent(s) listed in the attached Exhibit A together with the inventions for which the Application(s)/Patent(s) listed in the attached Exhibit A is/was (are/were) made and describes (collectively "the Patent Rights");

(b) all provisional applications, patent applications, patents, or other similar governmental grants or issuances, in any jurisdiction in the world, (i) from which the Patent Rights directly or indirectly claims priority and/or (ii) for which the Patent Rights directly or indirectly forms a basis for priority;

(c) any continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisionals, reissues, reexaminations, extensions, and registrations, in any jurisdiction in the world, of any provisional patent application, patent application, patent, or other governmental grant or issuance set forth in clauses (a) and/or (b) (clauses (a) through (c), collectively the "Assigned Patent Rights");

(d) any causes of action (whether currently pending, filed, or otherwise) and all other enforcement rights and rights to remedies under, on account of, or related to, any of the Assigned Patent Rights, including, without limitation, all causes of action and other

enforcement rights for (i) damages, (ii) injunctive relief, and (iii) other remedies of any kind for past, current, and future infringement or misappropriation in violation of rights, and all rights to sue for any of the foregoing; and

(e) any and all other rights and interests in any jurisdiction in the world arising out of the Assigned Patent Rights, including, but not limited to, any right to claim priority thereto and/or therefrom.

All of the rights, title, and interest assigned above shall be held and enjoyed by the Assignee for its own use and enjoyment and for the use and enjoyment of its successors and assigns to the full end of the applicable term for which the aforementioned rights may be granted in any jurisdiction in the world.

Assignor hereby further agrees to assist in, sign, and execute all documents needed or desired, now or in the future, to perfect, obtain, and secure the aforementioned rights to Assignee and its successors for any jurisdiction in the world. At the expense of Assignee or its successors, Assignor agree to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee and its affiliates or their successors, as well as their legal representatives, to enforce the aforementioned rights in any jurisdiction in the world.

Assignor 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 in any jurisdiction in the world: All practitioners at USPTO Customer Number 28899.

If part or all of Assignor's rights, title, and interest arising out of the Assigned Patent Rights are already owned by Assignee, or its successor(s)/predecessor(s), because (i) Assignor is or was already subject to an obligation to assign such rights, title, and interest to Assignee, or its successor(s)/predecessor(s), by an agreement, company policy, applicable law, or otherwise, and/or (ii) such rights, title, and interest have already been assigned by operation of law to Assignee, or its successor(s)/predecessor(s), in accordance with applicable law, and/or (iii) such rights, title, and interest were, from their inception, automatically owned by Assignee, or its successor(s)/predecessor(s), under applicable law, then this document further memorializes, documents, and confirms such prior ownership by Assignee, or its successor(s)/predecessor(s), of such rights, title, and interest for all purposes, including for recording purposes in any jurisdiction in the world.

Assignor and Assignee confirm and agree that a notarized and/or legalized translation copy of this document in any other language shall have the same force and effect in any jurisdiction in the world as if such translation copy were an original thereof.

The signatures of all the signers need not appear on the same page, and each signer may sign this Assignment in multiple counterparts, such that collectively all the necessary signatures of each separately signed counterpart of this Assignment constitutes an original Assignment. A paper or electronic copy of a signature page shall have the same force and effect as if such copy were an original thereof.

Assignor
STMICROELECTRONICS (TOURS) SAS

Signature: 

Print Name: STÉPHANE MARTINEZ

Title: PRESIDENT

Date: 29/6/22

Acknowledged and accepted by:

Assignee
STMICROELECTRONICS INTERNATIONAL N.V.

Signature: 

Print Name: Patrick C. R. Holmes

Title: Attorney-in-Fact

Date: 7.11.22

EXHIBIT A

Country	Application No.	Patent No.	Title (may not match current Title at Patent Office)
France	1257470		DEVICE FOR PROTECTING AN INTEGRATED CIRCUIT AGAINST OVERVOLTAGES
United States of America	13955112	8953290	DEVICE FOR PROTECTING AN INTEGRATED CIRCUIT AGAINST OVERVOLTAGES
France	1257588		MANUFACTURING OF A LITHIUM-ION BATTERY
United States of America	13957518	9406970	METHOD FOR FORMING A LITHIUM-ION TYPE BATTERY
China	201310384252.4	ZL201310384252.4	CAPACITOR LOAD CIRCUIT
China	201320532729.4	ZL201320532729.4	CAPACITOR LOAD CIRCUIT
Germany	13182185.2	2704303	CAPACITOR LOAD CIRCUIT
European Patent	13182185.2	2704303	CAPACITOR LOAD CIRCUIT
France	1258072		CAPACITOR LOAD CIRCUIT
France	13182185.2	2704303	CAPACITOR LOAD CIRCUIT
United States of America	14013802	9172264	CAPACITOR CHARGE CIRCUIT
France	1358256		METHOD OF MICROSTRUCTURING SILICON
United States of America	14470827	9780366	SILICON MICROSTRUCTURING METHOD AND MICROBATTERY
France	1358324	3010228	A METHOD OF TREATING A GALLIUM NITRIDE LAYER COMPRISING DISLOCATIONS
United States of America	14464158	9536747	METHOD FOR TREATING A GALLIUM NITRIDE LAYER COMPRISING DISLOCATIONS
United States of America	15363616	9991341	METHOD FOR TREATING A GALLIUM NITRIDE LAYER COMPRISING DISLOCATIONS
France	1355209		BATTERY LIFE TIME MANAGEMENT

Country	Application No.	Patent No.	Title (may not match current Title at Patent Office)
United States of America	14222056	9472970	BATTERY LIFE TIME MANAGEMENT
United States of America	15251899	9912185	BATTERY LIFE TIME MANAGEMENT
China	201410598199.2	ZL201410598199.2	CONTROL CIRCUIT FOR HALF-BRIDGE DIODES
China	201420638860.3	ZL201420638860.3	CIRCUIT AND POWER CONVERTER OF SWITCHED-MODE POWER SUPPLY TYPE
China	201810037075.5	ZL201810037075.5	CONTROL CIRCUIT FOR HALF-BRIDGE DIODES
France	1360660		CONTROL CIRCUIT FOR HALF-BRIDGE DIODES
United States of America	14525460	10784787	CONTROL CIRCUIT FOR HALF-BRIDGE DIODES
Germany	102014116952.2		SYSTEM FOR BALANCING THE VOLTAGE OF SERIES-CONNECTED SEMICONDUCTOR ELEMENTS
France	1361454		SYSTEM FOR BALANCING THE VOLTAGE OF SERIES-CONNECTED SEMICONDUCTOR ELEMENTS
United States of America	14548386	9541936	SYSTEM FOR BALANCING THE VOLTAGE OF SERIES-CONNECTED SEMICONDUCTOR ELEMENTS
United States of America	15363648	10133290	SYSTEM FOR BALANCING THE VOLTAGE OF SERIES-CONNECTED SEMICONDUCTOR ELEMENTS
China	201410127549.7	ZL201410127549.7	WIDE BAND COUPLER
China	201420152529.0	ZL201420152529.0	WIDE BAND COUPLER
France	1352892		WIDE BAND COUPLER
United States of America	14227532	9240766	WIDE-BAND COUPLER
China	201510441193.9	ZL201510441193.9	BIDIRECTIONAL SWITCH
China	201520543776.8	ZL201520543776.8	BIDIRECTIONAL SWITCH

Country	Application No.	Patent No.	Title (may not match current Title at Patent Office)
France	1457142		BIDIRECTIONAL SWITCH
United States of America	14731563	9722061	BIDIRECTIONAL SWITCH