503580924 11/23/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3627552

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | |
|-----------------------|--|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the ASSIGNEES previously recorded on Reel 036994 Frame 0504. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNOR'S INTEREST. | |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| YANN DEVAL | 11/18/2015 |
| FRANCOIS RIVET | 11/18/2015 |

RECEIVING PARTY DATA

| Name: | INSTITUT POLYTECHNIQUE DE BORDEAUX | |
|-----------------|--|--|
| Street Address: | 1 AVENUE DU DOCTEUR ALBERT SCHWEITZER | |
| City: | TALENCE | |
| State/Country: | FRANCE | |
| Postal Code: | 33402 | |
| Name: | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE | |
| Street Address: | 3, RUE MICHEL ANGE | |
| City: | PARIS CEDEX 16 | |
| State/Country: | FRANCE | |
| Postal Code: | 75794 | |
| Name: | UNIVERSITE DE BORDEAUX | |
| Street Address: | 35 PLACE PEY BERLAND | |
| City: | BORDEAUX | |
| State/Country: | FRANCE | |
| Postal Code: | 33000 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 14177371 | |

CORRESPONDENCE DATA

Fax Number: (407)841-2343

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: 407-841-2330

Email:creganoa@addmg.comCorrespondent Name:CHRISTOPHER F. REGAN

503580924 PATENT REEL: 037151 FRAME: 0919 Address Line 1: 255 S. ORANGE AVE.

Address Line 2: STE. 1401

Address Line 4: ORLANDO, FLORIDA 32801

ATTORNEY DOCKET NUMBER: 12-GR1CO-0116US01-5400007

NAME OF SUBMITTER: CHRISTOPHER F. REGAN

SIGNATURE: /CHRISTOPHER F. REGAN/

DATE SIGNED: 11/23/2015

Total Attachments: 4

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> PATENT REEL: 037151 FRAME: 0920

503561006 11/09/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| YANN DEVAL | 11/18/2013 |
| FRANCOIS RIVET | 11/18/2013 |

RECEIVING PARTY DATA

| Name: | INSTITUT POLYTECHNIQUE DE BORDEAUX | |
|-----------------|---------------------------------------|--|
| Street Address: | 1 AVENUE DU DOCTEUR ALBERT SCHWEITZER | |
| City: | TALENCE | |
| State/Country: | FRANCE | |
| Postal Code: | 33402 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
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Email:creganoa@addmg.comCorrespondent Name:CHRISTOPHER F. REGANAddress Line 1:255 S. ORANGE AVE.

Address Line 2: STE. 1401

Address Line 4: ORLANDO, FLORIDA 32801

| ATTORNEY DOCKET NUMBER: 12-GR1CO-0116US01-5400007 | |
|---|------------|
| NAME OF SUBMITTER: CHRISTOPHER F. REGAN | |
| SIGNATURE: /CHRISTOPHER F. REGAN/ | |
| DATE SIGNED: | 11/09/2015 |

Total Attachments: 2

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PATENT REEL: 037151 FRAME: 0921

EPAS ID: PAT3607633

ASSIGNMENT

Application Number: 14/177,371 Application Country/Region: U.S.

Application Title: SIGNAL GENERATION DEVICE

Assignee: INSTITUT POLYTECHNIQUE DE BORDEAUX

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

Assignee's principal place of business: 1 AVENUE DU DOCTEUR ALBERT SCHWEITZER

TALENCE, FRANCE, 33402

Assignee: *CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE*Assignee being a company, corporation, or juristic entity of: *FRANCE*Assignee's principal place of business: *3, RUE MICHEL ANGE*

PARIS CEDEX 16, FRANCE, 75794

Assignee: UNIVERSITE DE BORDEAUX

Assignee being a company, corporation, or juristic entity of: *FRANCE*Assignee's principal place of business: *35 PLACE PEY BERLAND*BORDEAUX, FRANCE, 33000

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.

ST Docket Number: 12-GR1CO-0116US01 (5400007)

PATENT REEL: 037151 FRAME: 0922

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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 117574.

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.

ST Docket Number: 12-GR1CO-0116US01 (5400007)

| Inventor Name | Residence (City, State, Country) | Inventor Signature | Date Signed |
|----------------|--|--------------------|-----------------|
| Yann DEVAL | 44, rue Pauline Kergomard Bordeaux, FRANCE, 33800 | Moen | Nov. 18th, 2015 |
| Francois RIVET | 33 rue du Colonel Moll Talence, FRANCE, 33400 | Dalm | Nov. 18th, 2015 |

ST Docket Number: 12-GR1CO-0116US01 (5400007)

RECORDED: 11/23/2015

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