

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| PATRICK GARREC | 07/10/2019 |
| ANTHONY GHIOTTO | 06/24/2019 |
| GWENAËL MORVAN | 06/19/2019 |
| RECEIVING PARTY DATA | |
| Name: | THALES |
| Street Address: | TOUR CARPE DIEM |
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| State/Country: | FRANCE |
| Postal Code: | 92400 |
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| Street Address: | 35, PLACE PEY BERLAND |
| City: | BORDEAUX |
| State/Country: | FRANCE |
| Postal Code: | 33000 |
| Name: | INSTITUT POLYTECHNIQUE DE BORDEAUX |
| Street Address: | 1, AVENUE DU DOCTEUR ALBERT SCHWEITZER |
| City: | TALENCE CEDEX |
| 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 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16478411 |

CORRESPONDENCE DATA**Fax Number:** (202)861-1783

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: 202 861-1500**Email:** PATENTS@BAKERLAW.COM**Correspondent Name:** BAKER & HOSTETLER LLP**Address Line 1:** WASHINGTON SQUARE, SUITE 1100**Address Line 2:** 1050 CONNECTICUT AVENUE, N.W.**Address Line 4:** WASHINGTON, D.C. 20036

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| ATTORNEY DOCKET NUMBER: | 95781.41560 |
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| NAME OF SUBMITTER: | ERDAL DERVIS |
|---------------------------|--------------|

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|-------------------|----------------|
| SIGNATURE: | /Erdal Dervis/ |
|-------------------|----------------|

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| DATE SIGNED: | 07/17/2019 |
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Total Attachments: 4

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ASSIGNMENT

I, **GARREC Patrick**, a citizen of France residing at **THALES SYSTEMES AEROPORTES – 25, Avenue Gustave Eiffel – 33608 PESSAC (France) - French Nationality**

I, **GHIOTTO Anthony**, a citizen of France residing at **IMS – UMR 5218 – 351, Cours de la Libération – 33405 TALENCE CEDEX (France) - French Nationality**

I, **MORVAN Gwenaël**, a citizen of France residing at **THALES SYSTEMES AEROPORTES – 2, Avenue Gay Lussac – 78851 ELANCOURT CEDEX (France) - French Nationality**

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") for good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

THALES, a Corporation organized under the laws of France, located at **Tour Carpe Diem Place des Corolles Esplanade Nord – 92400 COURBEVOIE (France)**

UNIVERSITE DE BORDEAUX a Corporation organized under the laws of France, located at **35, Place Pey Berland – 33000 BORDEAUX France**

INSTITUT POLYTECHNIQUE DE BORDEAUX a Corporation organized under the laws of France, located at **1, Avenue du Docteur Albert Schweitzer – 33402 TALENCE Cedex France**

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE a Corporation organized under the laws of France, located at **3, Rue Michel Ange – 75794 PARIS CEDEX 16**

(hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the entire indicated right, title, and interest, in and to my Invention entitled:

ELEMENTARY ANTENNA COMPRISING A PLANAR RADIATING DEVICE

invented by me/us and described in French patent application N° **1700101**, filed on **February 01, 2017** ; including any United States patent application claiming priority thereto and bearing the above title as filed by me/us; I/we hereby authorize and request the law firms of Marks and Clerk France and **BAKER & HOSTETLER LLP**; to insert on the designated lines below, the filing date and application number of said United States application when known, to add or correct information stated in the assignment which identifies the U.S., PCT, and/or priority patent applications covering the "Invention" being assigned.

which was filed on as

PCT Application Number or/and **PCT/EP2018/052529**
United States Application Number ; **16/478,411**

and all patents, divisions, reissues, continuations, continuations-in-part and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of ASSIGNOR to recover for past infringement thereof;

And for the consideration aforesaid, I/we hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I/we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense and that I will not execute any writing or do any act whatsoever conflicting with these presents,

And I/we hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I/we declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I/we have signed this document as my/our own free act and that all of the foregoing is true and correct.

Dated: 10/07/2019

Patrick GARREC
GARREC Patrick

Dated: _____

GHOTTO Anthony

Dated: _____

MORVAN Gwenaël

Dated: _____

Dated: _____

representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I/we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense and that I will not execute any writing or do any act whatsoever conflicting with these presents,

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This assignment shall have an effective date corresponding to the last date of execution.

I/we declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I/we have signed this document as my/our own free act and that all of the foregoing is true and correct.

Dated: _____

GARREC Patrick

Dated: 24 JUNE 2019

GHOTTO
GHOTTO Anthony

Dated: _____

MORVAN Gwenaël

Dated: _____

Dated: _____

And for the consideration aforesaid, I/we hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I/we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense and that I will not execute any writing or do any act whatsoever conflicting with these presents,

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This assignment shall have an effective date corresponding to the last date of execution.

I/we declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I/we have signed this document as my/our own free act and that all of the foregoing is true and correct.

Dated: _____

GARREC Patrick

Dated: _____

GHOTTO Anthony

Dated: 19/06/2019

MORVAN Gwenaël
MORVAN Gwenaël

Dated: _____

Dated: _____
