

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JÉRÔME BROSSIER | 10/09/2014 |
| LUDOVIC SCHREIDER | 09/22/2014 |
| SERGE DEPEYRE | 09/25/2014 |
| VICTORIEN BELLOEIL | 10/17/2014 |
| LERI DATASHVILI | 09/25/2014 |
| RECEIVING PARTY DATA | |
| Name: | THALES |
| Street Address: | 45 RUE DE VILLIERS |
| City: | NEUILLY SUR SEINE |
| State/Country: | FRANCE |
| Postal Code: | 92200 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13857925 |
| CORRESPONDENCE DATA | |
| Fax Number: | (202)861-1783 |
| <i>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.</i> | |
| Phone: | 202-861-1500 |
| Email: | PATENTS@BAKERLAW.COM |
| Correspondent Name: | BAKER AND HOSTETLER LLP |
| Address Line 1: | 1050 CONNECTICUT AVENUE |
| Address Line 2: | SUITE 1100 |
| Address Line 4: | WASHINGTON, D.C. 20036 |
| ATTORNEY DOCKET NUMBER: | 95781.17420 |
| NAME OF SUBMITTER: | ERDAL R. Dervis |
| SIGNATURE: | /ERDAL R. Dervis/ |
| DATE SIGNED: | 12/15/2014 |
| Total Attachments: 4 | |
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ASSIGNMENT

I, Jérôme BROSSIER, a citizen of France residing at 24, avenue des Romarins, 31470 FONSORBES; and

I, Ludovic SCHREIDER, a citizen of France residing at Chez THALES ALENIA SPACE FRANCE, 26 avenue Jean François Champollion - BP 33787, 31100 TOULOUSE CEDEX

I, Serge DEPEYRE, a citizen of France residing at 2, impasse du Vieux Chemin de Grenade, 31700 BLAGNAC;

I, Victorien BELLOEIL, a citizen of France residing at Les Rouillères, Route de Saussens, 31570 BOURG SAINT BERNARD;

I, Leri DATASHVILI, a citizen of Germany residing at Römerhofweg 51C, 84748 GARCHING

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

1/ THALES

a Corporation organized under the laws of France, located at 45, rue de Villiers, 92200 NEUILLY SUR SEINE (hereinafter "ASSIGNEE"), and

2/ CENTRE NATIONAL D'ETUDE SPATIALES (CNES)

a Corporation organized under the laws of France, located at 2, Place Maurice Quentin, 75001 PARIS CEDEX 01 (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:

IN-SERVICE RECONFIGURABLE ANTENNA REFLECTOR

invented by me/us and described in France patent application no. 1201036,
filed 04/06/2012; 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 04/05/2013 as
PCT Application Number _____ or/and
United States Application Number 13/857925;

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: October, 09th 2014

Jerôme Brosnier
Jerôme BROSSIER, Inventor

Dated: September 22nd 2014

Ludovic Schreider
Ludovic SCHREIDER,
Inventor

Dated: September 25th 2014

Serge Depeyre
Serge DEPEYRE, Inventor

Dated: October 17th 2014

Victorien BELLOEIL
Victorien BELLOEIL, Inventor

Dated: _____

Leri DATASHVILI, Inventor

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:

.....
Jérôme BROSSIER, Inventor

Dated: September 23rd 2014

.....
Ludovic Schreider
Ludovic SCHREIDER,
Inventor

Dated:

.....
Serge DEPEYRE, Inventor

Dated:

.....
Victorien BELLOEIL, Inventor

Dated: 25. 09. 2014

.....
LERI DATASHVILI
Leri DATASHVILI, Inventor