PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAIME DE OLIVEIRA	05/25/2016
GUY ESTAVES	05/25/2016
FABIAN TOURTEAU	05/26/2016
CHRISTOPH SCHERRER	08/24/2016

RECEIVING PARTY DATA

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Postal Code:	92400

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15103806

CORRESPONDENCE DATA

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NAME OF SUBMITTER: ERDAL DERVIS SIGNATURE: /ERDAL DERVIS/ DATE SIGNED: 09/13/2016	ATTORNEY DOCKET NUMBER:	95781.29400
	NAME OF SUBMITTER:	ERDAL DERVIS
DATE SIGNED: 09/13/2016	SIGNATURE:	/ERDAL DERVIS/
03/10/2010	DATE SIGNED:	09/13/2016

Total Attachments: 6

PATENT REEL: 039722 FRAME: 0596

PATENT REEL: 039722 FRAME: 0597

ASSIGNMENT

- I, DE OLIVEIRA Jaime, a citizen of France residing at Theles Research & Technology 1, Avenue Augustin Fresnel 91757 PALAISEAU CEDEX FRANCE
- I, ESTAVES Guy, a citizen of France residing at Thales Alenia Space 26, Avenue Jean-François Champollion BP 1187 31037 TOULOUSE FRANCE
- I, TOURTEAU Fabian, a citizen of France residing at Thales Alenia Space 26, Avenue Jean-François Champollion — BP 1187 — 31037 TOULOUSE FRANCE
- I, SCHERRER Christoph, a citizen of Autriche residing at Thales Austria GmbH Handelskal - 92 A 1200 WIEN AUTRICHE

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 (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:

TRIPLE SOFTWARE REDUNDANCY FAULT TOLERANT FRAMEWORK ARCHITECTURE

invented by me/us and described in Europe patent application no.13290313.9, filed December 13, 2013; 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; 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

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assignment which identifies the U.S., PCT, and/or priority patent applications covering the "Invention" being assigned.

which was filed on **December 08, 2014** as PCT Application Number **PCT/EP2014/076820** or/and United States Application Number **15/103806**;

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.

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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:	way 25, 2016	De Obieira Jaine
		DE OLIVEIRA Jaime
Dated:		
		ESTAVES Guy
Dated:		
wacca.		TOURTEAU Fabian
Makadi		
Dated:		SCHERRER Christoph

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:		
		DE OLIVEIRA Jaime
Dated:	25/11/04/2016	ESTAVES GUY
	/	ESTAVES Guy /
Dated:		
		TOURTEAU Fablan
Dated:		
		SCHERRER Christoph

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:		DE OLIVEIRA Jaime
Dated:		ESTAVES Guy
Dated:	26/05/2016	TOURTEAU Fabian
Dated:		SCHERRER Christoph

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:		
		DE OLIVEIRA Jaime
Dated:	<u> </u>	
		ESTAVES Guy
Dated:	· · · · · · · · · · · · · · · · · · ·	
		TOUBTEAU Fabian
Dated: <u> </u>	Land Commence	
		SCHERRER Christoph

RECORDED: 09/13/2016