

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Julie GROLLIER</td> <td>02/22/2012</td> </tr> <tr> <td>Vincent CROS</td> <td>02/22/2012</td> </tr> <tr> <td>Frederic NGUYEN VAN DAU</td> <td>02/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Julie GROLLIER	02/22/2012	Vincent CROS	02/22/2012	Frederic NGUYEN VAN DAU	02/22/2012		
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<table border="1"> <tr> <td>Name:</td> <td>Centre National de la Recherche Scientifique - CNRS</td> </tr> <tr> <td>Street Address:</td> <td>3, rue Michel-Ange</td> </tr> <tr> <td>City:</td> <td>Paris</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>75016</td> </tr> </table>		Name:	Centre National de la Recherche Scientifique - CNRS	Street Address:	3, rue Michel-Ange	City:	Paris	State/Country:	FRANCE	Postal Code:	75016
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PROPERTY NUMBERS Total: 1											
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Application Number:	13318119										
CORRESPONDENCE DATA											
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ATTORNEY DOCKET NUMBER:	95781.11540
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NAME OF SUBMITTER:	Erdal Dervis
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Total Attachments: 2 source=11540_Assignment#page1.tif source=11540_Assignment#page2.tif
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ASSIGNMENT

I, **GROLLIER, Julie** a citizen of FRANCE residing at 4 rue de Rungis - 75013 PARIS;

I, **CROS, Vincent** a citizen of FRANCE residing at 101 rue Saint Maur - 75011 PARIS;

I, **NGUYEN VAN DAU, Frédéric** a citizen of FRANCE residing at 2, rue Elisée Reclus - 91120 PALAISEAU.

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

Centre National de la Recherche Scientifique - CNRS

THALES

Corporations organized under the laws of FRANCE, located at **3, rue Michel-Ange – 75016 PARIS** and **45 rue de Villiers – 92200 Neuilly-Sur-Seine** (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEES, their successors and assigns, the entire indicated right, title, and interest, in and to my Invention entitled:

MEMRISTOR DEVICE WITH RESISTANCE ADJUSTABLE BY MOVING A MAGNETIC WALL BY SPIN TRANSFER AND USE OF SAID MEMRISTOR IN A NEURAL NETWORK

invented by me/us and described in **FRANCE** patent application no. **09 02122**, filed **30/AVR/2009** ; 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, including the application(s):

which was filed on 30/AVR/2010 as

PCT Application Number **PCT/EP2010/055902** or/and

United States Application Number 13/318119 ;

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 ASSIGNEES, their 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 ASSIGNEES, their successors and assigns, that whenever ASSIGNEES, their counsel or representative, or the counsel or representative of their 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 there from 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 ASSIGNEES, their successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEES or their successors or assigns, but at 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 ASSIGNEES.

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:

2012/02/22

Julie Grolier
GROGLIER Julie

Dated:

2012/02/22

Vincent Cros
CROS Vincent

Dated:

2012/02/22

Frédéric Nguyen Van Dau
NGUYEN VAN DAU Frédéric