

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4897937

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MOURAD EL BARAJI	02/26/2018
KADRIYE DENIZ BOZDAG	02/26/2018
MARCIN JAN GAJEK	02/26/2018
MICHAIL TZOUFRAS	03/02/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SPIN TRANSFER TECHNOLOGIES, INC.
<b>Street Address:</b>	45500 NORTHPORT LOOP WEST
<b>City:</b>	FREMONT
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94538
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15859517
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)319-4919
<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>	
<b>Phone:</b>	650-319-4538
<b>Email:</b>	sv.docketing@arnoldporter.com
<b>Correspondent Name:</b>	JEFFREY A. MILLER
<b>Address Line 1:</b>	3000 EL CAMINO REAL
<b>Address Line 2:</b>	FIVE PALO ALTO SQUARE SUITE 500
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94306
<b>ATTORNEY DOCKET NUMBER:</b>	1058410-00073
<b>NAME OF SUBMITTER:</b>	JEFFREY A. MILLER
<b>SIGNATURE:</b>	/Jeffrey A. Miller, Reg. No. 35287/
<b>DATE SIGNED:</b>	04/03/2018
<b>Total Attachments: 5</b>	
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Whereas, the undersigned:

**Mourad El Baraji**  
1200 Litchfield Avenue  
Fremont, CA 94536

**Kadriye Deniz Bozdog**  
927 Rosette Court  
Sunnyvale, CA

**Marcin Jan Gajek**  
2340 Le Conte Avenue, Apt. 201  
Berkeley, CA 94709

**Michail Tzoufras**  
929 East El Camino Real, Apt. 420-E  
Sunnyvale, CA 94087

hereinafter termed "Inventors", have invented certain new and useful improvements in

**MICROWAVE WRITE-ASSIST IN SERIES-INTERCONNECTED  
ORTHOGONAL STT-MRAM DEVICES**

for which United States Application No. **15/859,517** was filed on **December 30, 2017**.

WHEREAS, Spin Transfer Technologies, Inc., a Corporation, having a place of business at 45500 Northport Loop West, Fremont, California 94538 (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said applications and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below:

Date: \_\_\_\_\_

\_\_\_\_\_  
Mourad EL BARAJI

Date: 2/26/2018

  
\_\_\_\_\_  
Kadriye Deniz BOZDAG

Date: \_\_\_\_\_

\_\_\_\_\_  
Marcin Jan GAJEK

Date: \_\_\_\_\_

\_\_\_\_\_  
Michail TZOUFRAS

4. Said Inventors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below:

Date: \_\_\_\_\_

\_\_\_\_\_  
Mourad EL BARAJI

Date: \_\_\_\_\_

\_\_\_\_\_  
Kadriye Deniz BOZDAG

Date: \_\_\_\_\_

\_\_\_\_\_  
Marcin Jan GAJEK

Date: 3/2/2018

  
\_\_\_\_\_  
Michael TZOUERAS

4. Said Inventors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below:

Date: February 26, 2018



**Mourad EL BARAJI**

Date: \_\_\_\_\_

**Kadriye Deniz BOZDAG**

Date: \_\_\_\_\_

**Marcin Jan GAJEK**

Date: \_\_\_\_\_

**Michail TZOUFRAS**

4. Said Inventors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below:

Date: \_\_\_\_\_

\_\_\_\_\_  
**Mourad EL BARAJI**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Kadriye Deniz BOZDAG**

2/26/2018

Date: \_\_\_\_\_

  
\_\_\_\_\_  
**Marcin Jan GAJEK**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Michail TZOUFRAS**