

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5031940

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MUSTAFA PINARBASI	06/25/2018
THOMAS BOONE	06/05/2018
PRACHI SHRIVASTAVA	05/24/2018
PRADEEP MANANDHAR	05/23/2018
<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>	15859150
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)938-9069
<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>	408-938-9060
<b>Email:</b>	officeaction@mhbpatents.com
<b>Correspondent Name:</b>	SPIN TRANSFER C/O MURABITO, HAO & BARNES
<b>Address Line 1:</b>	TWO NORTH MARKET STREET
<b>Address Line 2:</b>	THIRD FLOOR
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95113
<b>ATTORNEY DOCKET NUMBER:</b>	SPIN-0014-01.01US
<b>NAME OF SUBMITTER:</b>	ANTHONY C. MURABITO
<b>SIGNATURE:</b>	/Anthony C. Murabito/
<b>DATE SIGNED:</b>	06/29/2018
<b>Total Attachments: 4</b>	
source=SPIN-0014-0101US_PINARBASI_ASSGN#page1.tif	
source=SPIN-0014-0101US_BOONE_ASSGN#page1.tif	

source=SPIN-0014-0101US\_SHRIVASTAVA\_ASSNG#page1.tif

source=SPIN-0014-0101\_MANANDHAR\_ASSGN#page1.tif

# Assignment to Spin Transfer Technologies, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we **Mustafa PINARBASI, Thomas BOONE, Prachi SHRIVASTAVA, Pradeep MANANDHAR** do hereby sell, assign, and transfer unto Spin Transfer Technologies, Inc. (hereinafter called Spin Transfer Technologies), a corporation of Delaware having its principal place of business 45500 Northport Loop West, Fremont CA 94538, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

## MAGNETIC TUNNEL JUNCTION (MTJ) STRUCTURE METHODS AND SYSTEMS


\_\_\_\_\_ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; or

X Serial No.: 15/859,150 filed on 2017-12-29 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore;

And for the above consideration, I/we agree promptly upon request of, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Spin Transfer Technologies, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Spin Transfer Technologies.

I/we further covenant with Spin Transfer Technologies, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature:  Date: 6-25-2018  
Mustafa PINARBASI

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Thomas BOONE

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Prachi SHRIVASTAVA

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Pradeep MANANDHAR

# Assignment to Spin Transfer Technologies, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we **Mustafa PINARBASI, Thomas BOONE, Prachi SHRIVASTAVA, Pradeep MANANDHAR** do hereby sell, assign, and transfer unto Spin Transfer Technologies, Inc. (hereinafter called Spin Transfer Technologies), a corporation of Delaware having its principal place of business 45500 Northport Loop West, Fremont CA 94538, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

## MAGNETIC TUNNEL JUNCTION (MTJ) STRUCTURE METHODS AND SYSTEMS

..... filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; or

X Serial No.: 15/859,150 filed on 2017-12-29 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore;

And for the above consideration, I/we agree promptly upon request of, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Spin Transfer Technologies, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Spin Transfer Technologies.

I/we further covenant with Spin Transfer Technologies, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Mustafa PINARBASI**

Inventor's Signature:  \_\_\_\_\_ Date: 6/5/2018  
**Thomas BOONE**

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Prachi SHRIVASTAVA**

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Pradeep MANANDHAR**

# Assignment to Spin Transfer Technologies, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

**Mustafa PINARBASI, Thomas BOONE, Prachi SHRIVASTAVA, Pradeep MANANDHAR**

do hereby sell, assign, and transfer unto Spin Transfer Technologies, Inc. (hereinafter called Spin Transfer Technologies), a corporation of Delaware having its principal place of business 45500 Northport Loop West, Fremont CA 94538, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

## MAGNETIC TUNNEL JUNCTION (MTJ) STRUCTURE METHODS AND SYSTEMS

\_\_\_\_\_ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; or

X Serial No.: 15/859,150 filed on 2017-12-29 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore;


And for the above consideration, I/we agree promptly upon request of, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Spin Transfer Technologies, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Spin Transfer Technologies.

I/we further covenant with Spin Transfer Technologies, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Mustafa PINARBASI**

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Thomas BOONE**

Inventor's Signature:  \_\_\_\_\_ Date: 05/24/2018  
**Prachi SHRIVASTAVA**

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Pradeep MANANDHAR**

# Assignment to Spin Transfer Technologies, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we **Mustafa PINARBASI, Thomas BOONE, Prachi SHRIVASTAVA, Pradeep MANANDHAR** do hereby sell, assign, and transfer unto Spin Transfer Technologies, Inc. (hereinafter called Spin Transfer Technologies), a corporation of Delaware having its principal place of business 45500 Northport Loop West, Fremont CA 94538, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

## MAGNETIC TUNNEL JUNCTION (MTJ) STRUCTURE METHODS AND SYSTEMS

..... filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; or

X Serial No.: 15/859,150 filed on 2017-12-29 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore;

And for the above consideration, I/we agree promptly upon request of, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Spin Transfer Technologies, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Spin Transfer Technologies.

I/we further covenant with Spin Transfer Technologies, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Mustafa PINARBASI**

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Thomas BOONE**

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Prachi SHRIVASTAVA**

Inventor's Signature:  Date: 05/23/2018  
**Pradeep MANANDHAR**