

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIROAKI SUKEGAWA	07/23/2018
THOMAS SCHEIKE	07/26/2018
SEIJI MITANI	07/23/2018
TADAKATSU OHKUBO	07/23/2018
KAZUHIRO HONO	07/24/2018
KOUICHIRO INOMATA	07/23/2018
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<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16074135
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<b>ATTORNEY DOCKET NUMBER:</b>	2018-1208A
<b>NAME OF SUBMITTER:</b>	KELLY FORE
<b>SIGNATURE:</b>	/Kelly Fore/
<b>DATE SIGNED:</b>	07/31/2018
<b>Total Attachments: 3</b>	

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Wenderoth, Lind & Ponack, LLP

Attorney Docket No.: \_\_\_\_\_

**COMBINED DECLARATION AND ASSIGNMENT  
FOR UTILITY OR DESIGN APPLICATION**

<b>Title of Invention</b>	<b>MAGNETIC TUNNEL JUNCTION, MAGNETORESISTIVE ELEMENT AND SPINTRONICS DEVICE IN WHICH SAID MAGNETIC TUNNEL JUNCTION IS USED, AND METHOD OF MANUFACTURING MAGNETIC TUNNEL JUNCTION</b>
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**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration  
is directed to:

The attached application, or

United States application or PCT international application  
number PCT/JP2017/003425 filed on January 31, 2017.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001  
by fine or imprisonment of not more than five (5) years, or both.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application  
unless that person has reviewed and understands the contents of the application, including the claims, and is aware  
of the duty to disclose to the Office all information known to the person to be material to patentability as defined in  
§ 1.56."

**ASSIGNMENT**

In consideration of the good and valuable consideration paid, I hereby sell and assign to

NATIONAL INSTITUTE FOR MATERIALS SCIENCE

(Name of Assignee)

of 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki, JAPAN

(Address of Assignee)

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC  
100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention,  
and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection  
with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection  
with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way  
possible in obtaining evidence and going forward with such post-grant proceeding.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in

connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, which includes the right to claim priority and the right to be granted a patent in any PCT Contracting State.

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

First Inventor (Legal Name): Hiroaki SUKEGAWA

Signature: Hiroaki Sukegawa

Date: July 23, 2018

Second Inventor (Legal Name): Thomas SCHEIKE

Signature: Thomas Scheike

Date: July 24, 2018

Third Inventor (Legal Name): Seiji MITANI

Signature: Seiji Mitani

Date: July 23, 2018

Fourth Inventor (Legal Name): Tadakatsu OHKUBO

Signature: Tadakatsu Ohkubo

Date: July 23, 2018

Fifth Inventor (Legal Name): Kazuhiro HONO

Signature: Kazuhiro Hono

Date: July 24, 2018

Sixth Inventor (Legal Name): Kouichiro INOMATA

Signature: \_\_\_\_\_

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

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First Inventor (Legal Name): Hiroaki SUKEGAWA

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

Second Inventor (Legal Name): Thomas SCHEIKE

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

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Sixth Inventor (Legal Name): Kouichiro INOMATA

Signature: Kouichiro Inomata Date: July 23, 2018