

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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Property Type	Number
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Total Attachments: 2

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

**Title of
Invention**

**MAGNETO-RESISTANCE ELEMENT IN WHICH I-III-VI₂ COMPOUND
SEMICONDUCTOR IS USED, METHOD FOR MANUFACTURING SAID
MAGNETO-RESISTANCE ELEMENT, AND MAGNETIC STORAGE
DEVICE AND SPIN TRANSISTOR IN WHICH SAID MAGNETO-
RESISTANCE ELEMENT IS USED**

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/IP2017/023140, filed on June 23, 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): Shinya KASAI

Signature: [Signature]

Date: 30 Nov. 2018

Second Inventor (Legal Name): Yukiko TAKAHASHI

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Date: 2018/11/19

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Date: 30 Nov. 2018

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Fifth Inventor (Legal Name): Seiji MITANI

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Date: 28 November 2018

Sixth Inventor (Legal Name): Tadakatsu OHKUBO

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Date: 29 November 2018

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Signature: [Signature]

Date: 30 Nov. 2018

PATENT

RECORDED: 12/19/2018

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