PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3478527

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SOICHIRO OKUBO	07/10/2015
TAKESHI HIKATA	07/10/2015
RISA UTSUNOMIYA	07/10/2015
TERUAKI MATSUBA	07/10/2015
HITOSHI MATSUMOTO	07/10/2015
YUGO HIGASHI	07/10/2015

RECEIVING PARTY DATA

Name:	SUMITOMO ELECTRIC INDUSTRIES, LTD.	
Street Address:	5-33, KITAHAMA 4-CHOME, CHUO-KU	
City:	OSAKA-SHI, OSAKA	
State/Country:	JAPAN	
Postal Code:	541-0041	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14767077

CORRESPONDENCE DATA

Fax Number: (202)204-0289

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.

Phone: 202-842-8800

Email: dcpatentfiling@dbr.com

DRINKER BIDDLE & REATH (DC) **Correspondent Name:**

Address Line 1: 1500 K STREET, N.W.

Address Line 2: **SUITE 1100**

Address Line 4: WASHINGTON, D.C. 20005-1209

	PATENT	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
DATE SIGNED:	08/11/2015	
SIGNATURE:	/Peter J. Sistare/	
NAME OF SUBMITTER:	PETER J. SISTARE	
ATTORNEY DOCKET NUMBER:	201917-0220-00-US-530278	

REEL: 036300 FRAME: 0019 503431902

Total Attachments: 6 source=201917_0220_declaration_assignment#page1.tif source=201917_0220_declaration_assignment#page2.tif source=201917_0220_declaration_assignment#page3.tif source=201917_0220_declaration_assignment#page4.tif

source=201917_0220_declaration_assignment#page5.tif source=201917_0220_declaration_assignment#page6.tif

ATTORNEY DOCKET NO.:	
SOLE/JOINT	INVENTION
(U.S.	Rights Only)

COMBINED DECLARATION AND ASSIGNMENT

WHEREAS I/WE, the below-named inventor(s) – hereinafter referred to as Assignor(s) – have made an invention entitled:

Porous Member and Catalyst Member

for which I/WE are filing an application for United States Letters Patent, the application being the one identified in the Declaration set forth below; and

WHEREAS, <u>Sumitomo Electric Industries</u>, <u>Ltd.</u>, a corporation of <u>Japan</u>, whose post office address is <u>5-33</u>, <u>Kitahama 4-chome</u>, <u>Chuo-ku</u>, <u>Osaka-shi</u>, <u>Osaka 541-0041 Japan</u> (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisionals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and I/WE hereby authorize and request the United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, and all rights to claim priority on the basis of such applications, make all rightful oaths or the like, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s) in the appropriate space below.

DC01/3070907.1

ATTORNEY DOCKET NO.:
SOLE/JOINT INVENTION
(U.S. Rights Only)

AS A DECLARATION UNDER 37 CFR 1.63, for a utility or design application using an Application Data Sheet (37 CFR 1.76), each below-named inventor for which a signature has been provided hereby declares that:

This Declaration is directed to (please check one of the following two boxes):

The attached application, or

United States application or PCT international application number PCT/JP2014/054038 filed on February 20, 2014.

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 have reviewed and understand the contents of the application, including the claims.

patentability as defined in 37 C.F.R. § 1.56.

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: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form if not submitted previously.

I am aware of the duty to disclose to the Office all information known to me to be material to

DC01/3070907.1

ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION (U.S. Rights Only)

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Legal Name of Sole/First Assignor/Inventor	Assignor/Inventor Signature	Date
Soichiro OKUBO	Goinire Okula	10. Jul-20/5
Legal Name of Second Assignor/Inventor	Assignor/Inventor Signature	Data
Takeshi HIKATA	Jakoshi Wikata	July 10, 2015
Legal Name of Third Assignor/Inventor	Assignor/Inventor Signature	Date
Risa UTSUNOMIYA		
Legal Name of Fourth Assignor/Inventor	Assignor/Inventor Signature	Date
Teruaki MATSUBA		
Legal Name of Fifth Assignor/Inventor	Assignor/Inventor Signature	Date
Hitoshi MATSUMOTO		
Legal Name of Sixth Assignor/Inventor	Assignor/Inventor Signature	Date
Yugo HIGASHI		
Legal Name of Seventh Assignor/Inventor	Assignor/Inventor Signature	Date
Legal Name of Eighth Assignor/Inventor	Assignor/Inventor Signature	Date
Legal Name of Ninth Assignor/Inventor	Assignor/Inventor Signature	Date
Legal Name of Tenth Assignor/Inventor	Assignor/Inventor Signature	Date
·		
Legal Name of Eleventh Assignor/Inventor	Assignor/Inventor Signature	Date
		1

Name(s) of additional Assignor(s)/Inventor(s) attached:

Yes

No

DC01/3070907.1

ATTORNEY DOCKET NO.:
SOLE/JOINT INVENTION
(U.S. Rights Only)

COMBINED DECLARATION AND ASSIGNMENT

WHEREAS I/WE, the below-named inventor(s) - hereinafter referred to as Assignor(s) have made an invention entitled:

Porous Member and Catalyst Member

for which I/WE are filing an application for United States Letters Patent, the application being the one identified in the Declaration set forth below; and

WHEREAS, Sumitomo Electric Industries, Ltd., a corporation of Japan, whose post office address is 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisionals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and I/WE hereby authorize and request the United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, and all rights to claim priority on the basis of such applications, make all rightful oaths or the like, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

1

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s) in the appropriate space below.

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ATTORNEY	DOCKET NO.:	
	SOLE/JOINT	INVENTION
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I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

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: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form if not submitted previously.

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ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION (U.S. Rights Only)

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Legal Name of Sole/First Assignor/Inventor	Assignor/Inventor Signature	Date
Soichiro OKUBO		
Legal Name of Second Assignor/Inventor	Assignor/Inventor Signature	Date
Takeshi HIKATA		
Legal Name of Third Assignor/Inventor	Assignor/Inventor Signature	Date
Risa UTSUNOMIYA	Risa Utsunomiya	July. 10.2015 Date July. 10.2015.
Legal Name of Fourth Assignor/Inventor	Assignor/Inventor Signature	Date
Teruaki MATSUBA	Teruski Mateuba	July. 10.2015.
Legal Name of Fifth Assignor/Inventor	Assignor/Inventor Signature	Date
Hitoshi MATSUMOTO	Vitoshi meitsumoto	July 10. 20/5
Legal Name of Sixth Assignor/Inventor	Assignor/Inventor Signature	Date
Yugo HIGASHI	Jugo Idigashi	July 10,2015
Legal Name of Seventh Assignor/Inventor	Assignor/Inventor Signature	Date
Legal Name of Eighth Assignor/Inventor	Assignor/Inventor Signature	Date
Legal Name of Ninth Assignor/Inventor	Assignor/Inventor Signature	Date
Legal Name of Tenth Assignor/Inventor	Assignor/Inventor Signature	Date
Legal Name of Eleventh Assignor/Inventor	Assignor/Inventor Signature	Date
Name(s) of additional Assignor(s)/I	nventor(s) attached: Yes	'

DC01/3070907.1

PATENT REEL: 036300 FRAME: 0026

RECORDED: 08/11/2015