

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4822014

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the TO CORRECT THE LAST NAME OF THE FIRST INVENTOR previously recorded on Reel 043686 Frame 0980. Assignor(s) hereby confirms the CORRECT FROM YAMAGUCHI TO YAMAGUCHI.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIROYUKI YAMAGUCHI	01/31/2017
ATSUSHI SETO	01/31/2017
KENJI IMANISHI	01/31/2017
HIROSHI NOGAMI	01/31/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NIPPON STEEL & SUMITOMO METAL CORPORATION
<b>Street Address:</b>	6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU,
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	100-8071
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15522303
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)504-9415
<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>	2028351111
<b>Email:</b>	tlim@clarkbrody.com
<b>Correspondent Name:</b>	CLARK & BRODY
<b>Address Line 1:</b>	1700 DIAGONAL ROAD, SUITE 510
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	12054-0287
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER W. BRODY
<b>SIGNATURE:</b>	/CHRISTOPHER W. BRODY/
<b>DATE SIGNED:</b>	02/13/2018
<b>Total Attachments: 12</b>	

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4567953

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THE SPELLING OF THE FIRST INVENTOR'S NAME previously recorded on Reel 042159 Frame 0233. Assignor(s) hereby confirms the CORRECT THE SPELLING OF THE FIRST INVENTORS NAME FROM HIORYUKI TO HIROYUKI.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIROYUKI YAMAGUHI	01/31/2017
ATSUSHI SETO	01/31/2017
KENJI IMANISHI	01/31/2017
HIROSHI NOGAMI	01/31/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NIPPON STEEL & SUMITOMO METAL CORPORATION
<b>Street Address:</b>	6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU,
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	100-8071
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15522303
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)504-9415
<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>	2028351111
<b>Email:</b>	tlim@clarkbrody.com
<b>Correspondent Name:</b>	CLARK & BRODY
<b>Address Line 1:</b>	1700 DIAGONAL ROAD
<b>Address Line 2:</b>	SUITE 510
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	12054-0287
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER W. BRODY
<b>SIGNATURE:</b>	/CHRISTOPHER W. BRODY/
<b>DATE SIGNED:</b>	08/28/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4386896

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<u>HIROYUKI</u> Name	Execution Date
HIORYUKI YAMAGUCHI	01/31/2017
ATSUSHI SETO	01/31/2017
KENJI IMANISHI	01/31/2017
HIROSHI NOGAMI	01/31/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NIPPON STEEL & SUMITOMO METAL CORPORATION
<b>Street Address:</b>	6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU,
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	100-8071
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15522303
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)504-9415
<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>	2028351111
<b>Email:</b>	tlim@clarkbrody.com
<b>Correspondent Name:</b>	CLARK & BRODY
<b>Address Line 1:</b>	1700 DIAGONAL ROAD, SUITE 510
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	12054-0287
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER W. BRODY
<b>SIGNATURE:</b>	/CHRISTOPHER W. BRODY/
<b>DATE SIGNED:</b>	04/27/2017
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

This is an Assignment of the following rights, title and interest:

- ☒ United States of America rights, title and interest in the invention  
☒ Foreign rights, title and interest in the invention  
☒ International Application No. PCT/JP2015/005559  
Date of Filing: November 5, 2015  
☐ United States Patent Application Serial No. \_\_\_\_\_  
Date of Filing: \_\_\_\_\_

Title of the Invention: EDDY CURRENT HEAT GENERATING APPARATUS

Inventors (assignors): Hiroyuki YAMAGUCHI, Atsushi SETO,  
Kenji IMANISHI and Hiroshi NOGAMI

Assignee: NIPPON STEEL & SUMITOMO METAL CORPORATION  
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8071 Japan

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "invention");

And, whereas we desire to assign our above-identified rights, title and interest in the invention to the above-identified assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said invention, said applications(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, which may be granted or have granted for said invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States, unto said Assignee.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

  
Signature: Hiroyuki YAMAGUCHI

January 31, 2017  
Date

  
Signature: Atsushi SETO

January 31, 2017  
Date

Kenji Imanishi  
Signature: Kenji IMANISHI

Hiroshi Nogami  
Signature: Hiroshi NOGAMI

January 31, 2017  
Date

January 31, 2017  
Date