

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3975306

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
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	YUIKO SAKAYAMA	03/25/2016
	ATSUSHI SAKAGUCHI	03/25/2016
	KAZUTAKA ASABE	03/25/2016
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<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15113849	
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<b>DATE SIGNED:</b>	07/25/2016	
<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/JP2015/000465  
Date of Filing: February 3, 2015  
☐ United States Patent Application Serial No. \_\_\_\_\_  
Date of Filing: \_\_\_\_\_

Title of the Invention: RAILWAY WHEEL WITH BRAKE DISC

Inventors (assignors): Hiroshi NOGAMI, Takahiro FUJIMOTO, Yuiko SAKAYAMA,  
Atsushi SAKAGUCHI and Kazutaka ASABE

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.

Hiroshi NOGAMI  
Signature: Hiroshi NOGAMI

March 25, 2016  
Date

Takahiro FUJIMOTO  
Signature: Takahiro FUJIMOTO

March 25, 2016  
Date

Yuiko SAKAYAMA

Signature: Yuiko SAKAYAMA

MARCH 25, 2016

Date

Atsushi SAKAGUCHI

Signature: Atsushi SAKAGUCHI

March 25, 2016

Date

Kazutaka ASABE

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March 25, 2016

Date