503749484 03/23/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOHEI MICHITSUJI	02/24/2016
RYO MATSUI	02/24/2016
YASUHIRO SATO	03/01/2016
HIROTAKA MORI	02/29/2016
MAKOTO SHIMIZU	02/26/2016
JUN KURIHARA	02/26/2016
TOMOHIRO SEKI	02/29/2016
HIROSHI OBAYASHI	02/26/2016
MASAAKI MIZUNO	02/24/2016
MASUHISA TANIMOTO	02/23/2016

RECEIVING PARTY DATA

Name:	NIPPON STEEL & SUMITOMO METAL CORPORATION
Street Address:	6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8071

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14916228

CORRESPONDENCE DATA

Fax Number: (703)504-9415

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: 2028351111

Email: tlim@clarkbrody.com
Correspondent Name: CLARK & BRODY

Address Line 1:1700 DIAGONAL ROAD, SUITE 510Address Line 4:ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 12143-0072

PATENT 503749484 REEL: 038075 FRAME: 0435

NAME OF SUBMITTER:	CHRISTOPHER W. BRODY	
SIGNATURE:	/CHRISTOPHER W. BRODY/	
DATE SIGNED:	03/23/2016	
Total Attachments: 7		
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PATENT REEL: 038075 FRAME: 0436

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	ASSIGNMENT
This is an Assignment of the	e following rights, title and interest:
☐ United States of	America rights, title and interest in the invention
And the second of the second o	tle and interest in the invention
	plication NoPCT/JP2014/073283
	September 4, 2014
	olication for a U.S. Patent was executed on
	stent Application Serial No.
Date of Filing:	Contraction octical (vo.
Title of the Invention:	METHOD OF MEASURING CONDITION OF TRACK USING VEHICLE FOR COMMERCIAL OPERATION AND VEHICLE FOR COMMERCIAL OPERATION FOR MEASURING CONDITION OF TRACK
Inventors (Assignors):	MICHITSUJI Yohei, MATSUI Ryo, SATO Yasuhiro, MORI Hirotaka, SHIMIZU Makoto , KURIHARA Juri, SEKI Tomohiro, OBAYASHI Hiroshi, MIZUNO Masaaki, and TANIMOTO Masuhisa
Assignee(s):	NIPPON STEEL & SUMITOMO METAL CORPORATION 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8071 JAPAN
Whereas, we, the above invention identified above and direferred to as "Invention");	e-identified Inventors, have invented certain new and useful improvements in the lescribed in the above-identified patent application(s) and/or patent(s) (hereinafter
And, whereas we desire identified assignee;	to assign our above-identified rights, title and interest in the Invention to the above-
Now, this indenture with acknowledged;	esseth, that for good and valuable consideration, the receipt whereof is hereby
applications(s) as identified above and to any and all Letters Patent in and to any and all reissues an	and transfer our above-identified rights, title and interest in said Invention, said ve, including any divisions, continuations, and continuations-in-part thereof, and in to fithe United States, which may be granted or have granted for said Invention, and direexaminations thereof, and in and to any and all priority rights, Convention rights, accrue to us with respect to the filing of applications for patents or securing of o said Assignee.
And we hereby authorize States Letters Patent which may interest thereto;	e and request the Commissioner of Patents and Trademarks to issue any United issue for said Invention to said Assignee, as assignee of the whole right, title and
or filing divisions, continuations : elssue or reissues of any Letters	sign and execute all necessary and lawful future documents, including applications, and continuations-in-part of said application for patent, and/or, for obtaining any separated for my aforesaid Invention, as the Assignee or its ne require and prepare at its own expense.
Model Michitsuji, N	hitzyi Ich, 24, 21/f. Ohei Date

PATENT

REEL: 038075 FRAME: 0437

Rv	o Mateui		12/24/2016
Signature:	MATSUI, RYO	-	Date
Signature:	SATO, Yasuhiro		Date
	Monthly ()		
Signature:	MORI, Hirotaka		Date
Signature:	SHIMIZU, Tadashi		Date
Signature:	KURIHARA, Jun		Date
Signature:	SEKI, Tomohiro		Date
Signature:	OBAYASHI, Hiroshi	."	Date
ra Paragorina sanga			
Signature:	MIZUNO, Masaaki	•	Date
Signature:	TANIMOTO, Masuhisa		Date

PATENT

REEL: 038075 FRAME: 0438

Signature:	MATSUI, Ryo	-	Date .
Signature:	ATO, Yasuhiro SATO, Yasuhiro	-	20/6 3 / Date
-	PRI Hirotaka MORI, Hirotaka	-	Feb, 29, 2016 Date
Signature:	SHIMIZU, Tadashi	-	Date
Signature:	KURIHARA, Jun	-	Date
Signature:	SEKI, Tomohiro	·	Date
Signature:	OBAYASHI, Hiroshi	•	Date
Signature:	MIZUNO, Masaaki		Date
Signature:	TANIMOTO, Masuhisa		Date

Signature:	MATSUI, Ryo	Date
Signature:	SATO, Yasuhiro	Date
Signature:	MORI, Hirotaka	Date
Mq/cot	SHIMIZU, Tadashi ms Feb. 26.2016 Makofo	20/6 / 2 / 26 Date
	Kurihata KURIHARA, Jun	2016 / 2 / 26 Date
Signature:	SEKI, Tomohiro	Date
ОВА Y/ Signature:	ASHI Hiroshi OBAYASHI, Hiroshi	2016/2/26 Date
Signature:	MIZUNO, Masaaki	Date
Signature:	TANIMOTO, Masuhisa	Date

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Signature:	MIZUNO, Masaaki		Date	
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Signature:	TANIMOTO, Masuhisa	-	Date	

PATENT REEL: 038075 FRAME: 0441

Docket No: Page 2 of 2 Date Signature: MATSUI, Ryo Date Signature: SATO, Yasuhiro Signature: MORI, Hirotaka Date Date Signature: SHIMIZU, Tadashi Date Signature: KURIHARA, Jun

Signature: SEKI, Tomohiro

Date

Signature: OBAYASHI, Hiroshi

Date

Mizuno Masaki

February 24, 2-16

Date

Signature: MIZUNO, Masaki

Date

Date

PATENT REEL: 038075 FRAME: 0442

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⊃age	2	of 2

Signature:	MATSUI, Ryo	Date
Signature:	SATO, Yasuhiro	Date
Signature:	MORI, Hirotaka	Date
Signature:	SHIMIZU, Tadashi	Date
Signature;	KURIHARA, Jun	Date
Signature:	SEKI, Tomohiro	Date
Signature;	OBAYASHI, Hiroshi	Date
Signature:	MIZUNO, Masaaki	Date
M	M. Janimo Co PANIMOTO, Masuhisa	2016/2/23 Date
Signature:	ANIMOTO, Masuhisa	Date

PATENT REEL: 038075 FRAME: 0443

RECORDED: 03/23/2016