## 504106438 11/22/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YUNOSUKE NAKAHARA	08/26/2015
OHKI HOUSHITO	08/26/2015
HIRONORI IWAKURA	08/26/2015
YUKI NAGAO	08/26/2015
MASATO MACHIDA	09/09/2015

#### RECEIVING PARTY DATA

Name:	MITSUI MINING & SMELTING CO., LTD.	
Street Address:	1-11-1, OSAKI, SHINAGAWA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	141-8584	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15358172

### **CORRESPONDENCE DATA**

**Fax Number:** (703)685-0573

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Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	8068-1109-1
NAME OF SUBMITTER:	ERIC JENSEN
SIGNATURE:	/Eric Jensen/
DATE SIGNED:	11/22/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 504106438 REEL: 040398 FRAME: 0010

Total Attachments: 2
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PATENT REEL: 040398 FRAME: 0011

### ASSIGNMENT AND INVENTOR'S DECLARATION

WHEREAS I/we, the undersigned inventor(s), hereafter also referred to as "assignor(s)", have invented certain new and useful improvements described in the application identified below; and

WHEREAS, MITSUI MINING & SMELTING CO., LTD., hereinafter referred to as "assignee(s)", whose address is 1-11-1. Osaki, Shinagawa-ku, Tokyo 141-8584 Japan, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the above-named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Convention of Paris (1883), as amended, of or in any corresponding foreign patent application, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns.

As a below named inventor, I here	eby d	eclare that:
This assignment and declaration significant states of the same of		The attached application, or
i i	$\boxtimes$	United States Application or PCT International Application Number

The application is entitled parrier for Exhaust Gas Purification Catalyst, Catalyst for Exhaust Gas purification, and Catalyst Structure for Exhaust Gas Purification

The above-identified application was made or was 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 assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Given Name(s)	Yunosuke		Family Name/Surname(s) NAKAHARA
Inventor's Signature:	Junosuke	nakahara	Date August 26, 2015
Given Name(s)	Ohki		Family Name/Surname(s) HOUSHITO
Inventor's Signature:	Ohki k	foushito	Date August 26, 2015
Given Name(s)	Hironori		Family Name/Surname(s) IWAKURA
Inventor's Signature:	Hronis	drakere	Date August 26, 2015
Given Name(s)			Family Name/Surname(s)

PATENT REEL: 040398 FRAME: 0012

#### ASSIGNMENT AND INVENTOR'S DECLARATION

WHEREAS I/we, the undersigned inventor(s), hereafter also referred to as "assignor(s)", have invented certain new and useful improvements described in the application identified below; and

WHEREAS, <u>MITSUI MINING & SMELTING CO., LTD.</u>, hereinafter referred to as "assignee(s)", whose address is <u>1-11-1</u>, <u>Osaki, Shinagawa-ku, Tokyo 141-8584 Japan</u>, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the above-named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Convention of Paris (1883), as amended, of or in any corresponding foreign patent application, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns.

As a below named inventor, I here	eby d	eclare that:
This assignment and declaration is directed to:		The attached application, or
is directed to.		United States Application or PCT International Application Number PCT/JP2014/061470 filed on April 23, 2014 (Confirmation No).
The application is entitled: Carr purification, and Catalyst Struc		or Exhaust Gas Purification Catalyst, Catalyst for Exhaust Gas for Exhaust Gas Purification
The above-identified application v	vas m	ade or was authorized to be made by me.
I believe that I am the original inve	entar	or an original joint inventor of a claimed invention in the application.
•		alse statement made in this assignment with declaration is punishable iment of not more than five (5) years, or both.

Given Name(s) Yuki	Family Name/Surname(s) NAGAO
Inventor's Yuki Nagao	Date August 26, 2015
Given Name(s) Masato	Family Name/Surname(s) MACHIDA
Inventor's Signature: Masato Machida	Date September 9, 2015
Given Name(s)	Family Name/Surname(s)
Inventor's Signature:	Date
Given Name(s)	Family Name/Surname(s)

RECORDED: 11/22/2016

PATENT REEL: 040398 FRAME: 0013