503640790 01/08/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHUSAKU TAKAGI	07/09/2015
AKIHIDE NAGAO	07/10/2015

RECEIVING PARTY DATA

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City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-0011

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14780642

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ATTORNEY DOCKET NUMBER: JFE-271US NAME OF SUBMITTER: ANDREW J. KOOPMAN, REG. NO. 65,537 SIGNATURE: /Andrew J. Koopman/ **DATE SIGNED:** 01/08/2016

Total Attachments: 2 source=assign#page1.tif source=assign#page2.tif

> **PATENT REEL: 037439 FRAME: 0303** 503640790

ASSIGNMENT - Patent Application			Docket Number:		
Whereas, the As	signor, co	mprising the following named inve	ntors:		
	1. Shusaku TAKAGI		2. Akihide NAGAO		
ASSIGNOR(s)/ INVENTOR(s)	3.		4.		
	5.		6.		
\$	7.		8.		
made an inventio	n entitled:	STEEL MATERIAL AND HYDE		AINER AS WELL AS	
(Select one of the i	following): I concurre the U.S.	Letters Patent of the United State ently herewith Patent and Trademark Office on _ cation Serial No.:			
ASSIGNEE (Full Name and Address) JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan					
is desirous of acc	quiring the	entire interest in and to said inver	ntion and the L	etters Patent to be obtained therefor,	
Dollar (\$1.00), ar Assignor, intendinassigns, the full a	nd for othe ng to be le and exclus	er good and valuable consideration egally bound, hereby sells, assigns sive right, title and interest in and to	i, the receipt of and transfers a said inventior		

based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

REEL: 037439 FRAME: 0304

ASSIGNMENT - Patent Application

Docket Number:

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

•	Typed or Printed Name	Signature	Date
	Shusaku TAKAGI	Shusaku Pakagi	July 9, 2015
SIGNATURE	. 1	* Witness to Assignor #1	<u></u>
	2. Akihide NAGAO	StolhideNagao	July 10, 2015
		* Witness to Assignor #2	

Application for United States Letters Patent:

Serial No.:

14/780,642

Filed:

SEPTEMBER 28, 2015

Attorney Docket Number: JFE-271US

Total Number of Assignment Pages 2

* Witness signature recommended, mandatory for some countries

REEL: 037439 FRAME: 0305

RECORDED: 01/08/2016