

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUSUKE DOHI	04/10/2017
KIYOSHI FUKADA	04/07/2017
TAKASHI MATSUI	04/07/2017
MIKIYA NAGAYAMA	04/14/2017
NARUMI NANRI	04/07/2017
KAZUTOSHI HANADA	04/24/2017
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15553049
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<b>ATTORNEY DOCKET NUMBER:</b>	JFE-341US
<b>NAME OF SUBMITTER:</b>	EAMONN P. MORRISON
<b>SIGNATURE:</b>	/Eamonn P. Morrison/
<b>DATE SIGNED:</b>	10/18/2017

PATENT

**Total Attachments: 2**

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**ASSIGNMENT - Patent Application**

Docket Number: JFE-341US

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. Yusuke DOHI	2. Kiyoshi FUKADA
	3. Takashi MATSUI	4. Mikiya NAGAYAMA
	5. Narumi NANRI	6. Kazutoshi HANADA

made an invention entitled: METHOD OF EVALUATING COAL AND METHOD OF MANUFACTURING COKE

for which an application for Letters Patent of the United States:

*(Select one of the following):*

- is executed concurrently herewith  
 was filed in the U.S. Patent and Trademark Office on \_\_\_\_,  
as U.S. Patent Application Serial No.:

ASSIGNEE (Full Name and Address)	JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan
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is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority 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.

# ASSIGNMENT - Patent Application

Docket Number: JFE-341US

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
SIGNATURE	1. Yusuke DOHI	<u>Yusuke Dohi</u>	<u>April 10, 2017</u>
		* Witness to Assignor #1	_____
	2. Kiyoshi FUKADA	<u>Kiyoshi Fukada</u>	<u>April 7, 2017</u>
		* Witness to Assignor #2	_____
	3. Takashi MATSUI	<u>Takashi Matsui</u>	<u>April 7, 2017</u>
		* Witness to Assignor #3	_____
	4. Mikiya NAGAYAMA	<u>Mikiya Nagayama</u>	<u>April 14, 2017</u>
		* Witness to Assignor #4	_____
	5. Narumi NANRI	<u>Narumi Nanri</u>	<u>April 7, 2017</u>
		* Witness to Assignor #5	_____
	6. Kazutoshi HANADA	<u>Kazutoshi Hanada</u>	<u>April 24, 2017</u>
		* Witness to Assignor #6	_____

Application for United States Letters Patent:

Serial No.: 15/553,049

Filed: August 23, 2017

Attorney Docket Number: JFE-341US

**Total Number of Assignment Pages 2**

\* Witness signature recommended, mandatory for some countries