PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONG IEL KIM	02/26/2018
SANG JU KIM	02/26/2018
HYEONG JIN KIM	02/26/2018
JEONG AN SEON	02/26/2018
JI WUNG JEONG	02/26/2018

RECEIVING PARTY DATA

Name:	HYUNDAI STEEL COMPANY	
Street Address:	63, JUNGBONG-DAERO	
Internal Address:	DONG-GU	
City:	INCHEON	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	22525	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15914841

CORRESPONDENCE DATA

Fax Number: (617)227-4420

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.

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LOCKE LORD LLP **Correspondent Name:** Address Line 1: P.O. BOX 55874

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ATTORNEY DOCKET NUMBER:	1512772.121US9
NAME OF SUBMITTER:	HOWARD M. GITTEN
SIGNATURE:	/HOWARD M. GITTEN/
DATE SIGNED:	03/14/2018

Total Attachments: 4

PATENT REEL: 045210 FRAME: 0539

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PATENT REEL: 045210 FRAME: 0540

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 26th day of February, 2018 by Dong Iel Kim, Sang Ju Kim, Hyeong Jin Kim, Jeong An Seon, and Ji Wung Jeong (hereinafter referred to as Assignors), residing at #301-102, 59, Jindeung-gil, Gwangyang-si, Jeollanam-do, 57778, Republic of Korea; #108-204, Dongkwang Apt., 8, Sinbogun-ro 3-gil, Songak-eup, Dangjin-si, Chungcheongnam-do, 31724, Republic of Korea; #116-101, 101, Taejin-ro, Deokjin-gu, Jeonju-si, Jeollabuk-do, 54937, Republic of Korea; 90-4, Hodong-ro 15beon-gil, Buk-gu, Gwangju-si, 61188, Republic of Korea and #104-1506, 27, Nongwon-gil, Namwon-si, Jeollabuk-do, 55778, Republic of Korea, respectively;

WHEREAS, HYUNDAI STEEL COMPANY, having its principal place of business at 63, Jungbong-daero, dong-gu, Incheon, 22525, Republic of Korea (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

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AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns that: Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise; that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; and, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

LOCKE LORD LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

PATENT

REEL: 045210 FRAME: 0542

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<u>え、 16、 2018</u> Date	Dong Iel Kim	
Witness:		
2/26/2018	5al	
Date	Name: Jung Won Lee	· · _ ·
2.26.20/8 Date	Sang Ju Kim	 .
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2/26/2018	513	
Date	Name: Jung Won Lee	
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Date	Hyeong Jin Kim	
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Date	Ji Wung Jeong
Witness:	
2/26/2018	508
Date	Name: Jung Won Lee

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