PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEE HUN PARK	04/05/2018
HYUN SIK KIM	04/05/2018

RECEIVING PARTY DATA

Name:	DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD.
Street Address:	22, DOOSANVOLVO-RO, SEONGSAN-GU
City:	CHANGWON-SI, GYEONGSANGNAM-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	51711

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15949364

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	JD HARRIMAN
SIGNATURE:	/JD Harriman/
DATE SIGNED:	04/10/2018

Total Attachments: 2

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> **PATENT** REEL: 045492 FRAME: 0001

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ASSIGNMENT

WHEREAS, We, Jee Hun Park, residing at #205-3204, 801, Ori-ro, Gwangmyeong-si, Gyeonggi-do, 14256, Republic of Korea, and Hyun Sik Kim, residing at #602-104, 290-13, Gimpohangang 3-ro, Gimpo-si, Gyeonggi-do, 10084, Republic of Korea, the undersigned inventor(s) (ASSIGNOR(S)), are the owner of all right, title and interest in and to an invention which is disclosed in application for United States Patent entitled "FAULT SIGNAL RECOVERY SYSTEM AND METHOD", filed herewith.

WHEREAS, Doosan Heavy Industries & Construction Co., LD. (ASSIGNEE) is a corporation organized and existing under the law of Korea have a place of business at 22, Doosanvolvo-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51711, Republic of Korea. ASSIGNEE desires to acquire the entire right, title and interest in and to the inventions, applications and Letters of Patent to be granted and issued for the inventions and applications.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and to hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions, continuations, and continuations-inpart thereof, and all United States Letters Patent which may be granted thereon and all reissues, reexaminations and Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, continuations-in-part, divisions, extensions, renewals, substitutes, reissues, and reexams thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

WE HEREBY covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, and agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, reissue and reexam applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for

said intprovements in all countries.
IN TESTIMONY WHEREOF, I hereby set my hand this 5 day of Afril 2018.
: Jee Nu Park
Jee Hun Park
IN TESTIMONY WHEREOF, I hereby set my hand this
Nyun Sik Kim

