504724752 01/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date		
STEVEN ROBERTS	03/20/2017		

RECEIVING PARTY DATA

Name:	DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD.
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City:	CHANGWON-SI, GYEONGSANGNAM-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	51711

PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	15469000			

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	JIS.DHI.103
NAME OF SUBMITTER:	JEFF LLOYD
SIGNATURE:	/JEFF LLOYD/
DATE SIGNED:	01/11/2018

Total Attachments: 2

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PATENT 504724752 REEL: 044595 FRAME: 0416

COMBINED DECLARATION (37 C.F.R. § 1.63) AND ASSIGNMENT

As a below-named inventor, I hereby declare that:

I believe	I am	the	original	inventor	or a	n original	joint	inventor	of	the	subject	matter	which	is
claimed a	ınd fo	r wł	nich a par	tent is sou	ight (on the inv	entior	entitled						

. ند							
Insert Title:	FILM AND IMPINGEMENT PLATFORM COOLING FOR SERPENTINE COOLED TURBINE BLADES						
the specification for which							
is attached hereto. x was filed March 24, 2017, Serial No. 15/469,000							
The above-identified application was made or authorized to be made by me.							
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.							
I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.							
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.							
ASSIGNMENT							
WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified above.							
WHEREAS,							
Insert Assignee(s)							
Name/Address:	Doosan Heavy Industries & Construction Co., Ltd. 22, Doosanvolvo-ro, Seongsan-gu						
eranio praki 655.	Changwon-si, Gyeongsangnam-do, 51711 REPUBLIC OF KOREA						

(hereinafter ASSIGNEE), is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of valuable consideration, receipt of which is hereby acknowledged, I/we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said ASSIGNEE, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I/we hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns.

FURTHER, I/we agree that we will communicate to said ASSIGNEE, or its representatives, any facts known to me respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE; make all rightful oaths; and generally do everything possible to aid the said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Legal Name of inventor	Steven Roberts		Date:	3/24	201
Inventor's Signature					
Additiona	I inventors are being named	on the supp	lemental she	et(s) attache	d hereto.