505074738 08/31/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5121494

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ITARU NAYA	08/03/2018
SHINYA IMURA	08/03/2018
MASAFUMI HITA	08/03/2018
SEIJI ISHIDA	08/03/2018
KEN TAKEUCHI	08/03/2018

RECEIVING PARTY DATA

Name:	HITACHI CONSTRUCTION MACHINERY CO., LTD.	
Street Address:	16-1, HIGASHIUENO 2-CHOME	
City:	TAITO-KU, TOKYO	
State/Country:	JAPAN	
Postal Code:	110-0015	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16081734

CORRESPONDENCE DATA

Fax Number: (202)628-8844

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.

Phone: 202-624-2500

Email: edocket@crowell.com, ehadi@crowell.com

Correspondent Name: CROWELL & MORING LLP

Address Line 1: P.O. BOX 14300

Address Line 4: WASHINGTON, D.C. 20044

ATTORNEY DOCKET NUMBER:	112467.PB532US
NAME OF SUBMITTER:	OMAR A. GALIANO
SIGNATURE:	/Omar Alonso Galiano/
DATE SIGNED:	08/31/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
T	•

Total Attachments: 5

PATENT REEL: 046769 FRAME: 0884

505074738

U.S. Rights Attorney Docket No.

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invent	tion: (CONSTRUCTION 1	MACHINE		
This assignment and declaration are directed to (check one): the application identified above by the attorney docket no. and title of invention PCT International Application Number PCT/JP2017/010086, filed March 14, 2017 United States Application No					
		<u> 4</u>	ASSIGNMENT		
			ipt and sufficiency o		
Name of Assign Address of Ass			n Machinery Co., I -chome, Taito-ku, T		APAN
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.					
	I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.				
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.					
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.					
		<u>D</u>	ECLARATION	<u>v</u>	
As a below nan	ned invent	or, I hereby declare	that:		
The above-identified application was made or authorized to be made by me.					
I believe that I	am the orig	ginal inventor or an	original joint invento	or of a claimed inve	ntion in the application.
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.					
Signature: Inventor:	Jaara Itaru N	NAYA AYA			<u>August 3, 2018</u> DATE

Attorney Docket No. U.S. Rights

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	CONSTRUCTION	MACHINE	
PCT Internation	identified above by th nal Application Numb	to (check one): e attorney docket no. and title of inv er PCT/JP2017/010086, filed March, filed	14, 2017
	<u>.</u>	ASSIGNMENT	
		ipt and sufficiency of which are here ed, and by these presents hereby sell	
		on Machinery Co., Ltd. -chome, Taito-ku, Tokyo, 110-001	5 JAPAN
and to the above-identificontinuations thereof, as such application or for senjoyed by said ASSIGN	ied invention and Uni and in and to any and a said invention, includi NEE, its successors on be granted as fully ar	and interest for the United States, its to ted States patent application, including all Letters Patent of the United States and any and all reissues or extensions assigns to the full end of the term of the entirely as would have been held as	ing any and all divisions or s which may issue on any s thereof, to be held and r terms for which any and all
		the U.S. Patent and Trademark Officors or assigns in accordance herewit	
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.			
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.			
	<u>D</u>	ECLARATION	
As a below named inver	ntor, I hereby declare	that:	
The above-identified application was made or authorized to be made by me.			
I believe that I am the or	riginal inventor or an	original joint inventor of a claimed i	nvention in the application.
		ratement made in this declaration is part in five (5) years, or both.	ounishable under 18 U.S.C.
Signature: Shinya	Shinger Smu IMURA	ner	August 3, 2018 DATE

Attorney Docket No. U.S. Rights

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	CONSTRUCTION MACHINE			
This assignment and declaration are directed to (check one): the application identified above by the attorney docket no. and title of invention PCT International Application Number PCT/JP2017/010086, filed March 14, 2017 United States Application No				
	<u>ASSIGNMI</u>	ENT		
		ncy of which are hereby acknowledged, as a presents hereby sell and assign, unto:		
	Hitachi Construction Machinery (16-1, Higashiueno 2-chome, Taito-			
(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.				
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.				
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.				
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.				
DECLARATION				
As a below named inventor, I hereby declare that:				
The above-identified app	The above-identified application was made or authorized to be made by me.			
I believe that I am the or	riginal inventor or an original joint in	ventor of a claimed invention in the application.		
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.				
Signature: Masafu	cooperni Hita	August 3, 2018 DATE		

U.S. Rights Attorney Docket No.

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention	CONSTRUCTION MACHINE		
the applicat PCT Internation	d declaration are directed to (check one): ion identified above by the attorney docket tional Application Number PCT/JP2017/0 es Application No.	10086, filed March 14, 2017	
	<u>ASSIGNME</u>	<u>NT</u>	
	ble consideration, the receipt and sufficient ator I have sold and assigned, and by these	ncy of which are hereby acknowledged, as a presents hereby sell and assign, unto:	
Name of Assignee Address of Assign			
and to the above-id continuations there application or for s by said ASSIGNER	entified invention and United States patem of, and in and to any and all Letters Patent aid invention, including any and all reissue its successors, or assigns to the full end of be granted as fully and entirely as would he	e United States, its territories, and possessions in t application, including any and all divisions or of the United States that may issue on any such es or extensions thereof, to be held and enjoyed of the term or terms for which any and all such have been held and enjoyed by me had this	
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.			
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.			
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.			
	DECLARAT	<u>ION</u>	
As a below named	inventor, I hereby declare that:		
The above-identific	The above-identified application was made or authorized to be made by me.		
I believe that I am	the original inventor or an original joint in	ventor of a claimed invention in the application.	
•	lge that any willful false statement made in prisonment of not more than five (5) years,	this declaration is punishable under 18 U.S.C. or both.	
Signature: Inventor: Se	Seiji Schida iji ISHIDA	August 3, 2018 DATE	

Attorney Docket No. U.S. Rights

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	CONSTRUCTION MACHINE		
☐ the application ☐ PCT Internation	cclaration are directed to (check one): identified above by the attorney dock nal Application Number PCT/JP2017. Application No.	/010086, filed March 14, 2017	
	<u>ASSIGNME</u>	<u>ent</u>	
		ncy of which are hereby acknowledged, as a presents hereby sell and assign, unto:	
Name of Assignee: Address of Assignee:	Hitachi Construction Machinery (16-1, Higashiueno 2-chome, Taito-		
and to the above-identificontinuations thereof, a such application or for enjoyed by said ASSIG	fied invention and United States pater nd in and to any and all Letters Pater said invention, including any and all r NEE, its successors or assigns to the by be granted as fully and entirely as we	ne United States, its territories and possessions in t application, including any and all divisions or t of the United States which may issue on any eissues or extensions thereof, to be held and full end of the term or terms for which any and all buld have been held and enjoyed by me had this	
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.			
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.			
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.			
	DECLARAT	<u>ION</u>	
As a below named inve	ntor, I hereby declare that:		
The above-identified ap	The above-identified application was made or authorized to be made by me.		
I believe that I am the o	original inventor or an original joint in	ventor of a claimed invention in the application.	
	hat any willful false statement made in nument of not more than five (5) years	n this declaration is punishable under 18 U.S.C., or both.	
Signature: Ken T	en TAKEUCH L.	August 3, 2018 DATE	

PATENT REEL: 046769 FRAME: 0890

RECORDED: 08/31/2018