PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8138650

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TERUKI IGARASHI	08/08/2023
RYOHEI FUKUCHI	08/24/2023
YUSUKE SUZUKI	08/21/2023
HIROAKI TANAKA	08/08/2023
MITSUHIKO KANEHAMA	08/10/2023

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:	18279224

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: 2026242500

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

Correspondent Name: CROWELL & MORING LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, NW

Address Line 4: WASHINGTON, D.C. 20004

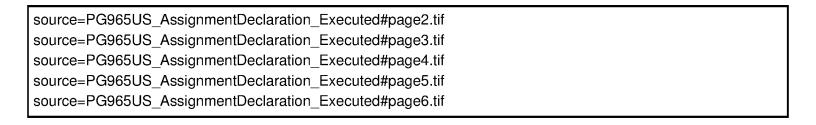
ATTORNEY DOCKET NUMBER:	110558.PG965US
NAME OF SUBMITTER:	JEFFREY D. SANOK
SIGNATURE:	/Jeffrey D. Sanok/
DATE SIGNED:	08/29/2023

Total Attachments: 6

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PATENT REEL: 064733 FRAME: 0877

508091494



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

Title of Invention:	WORK MACHINE	
[] The appli	and declaration are directed to (check one): ication identified above by the attorney docket no. and title of tates Application No	
	<u>ASSIGNMENT</u>	
	ole consideration, the receipt and sufficiency of which are hereby tor I have sold and assigned, and by these presents hereby sell and	
Name of Assignee:	Hitachi Construction Machinery Co., Ltd.	
Address of Assigne	e: 16-1, Higashiueno 2-chome, Taito-ku, Tokyo 110-0015, Japan	
possessions in and to and all divisions or comay issue on any suthereof, to be held at terms for which any held and enjoyed by I hereby authorize at such Letters Patent to I warrant and covena sold and assigned and conflict herewith. I further covenant an representatives, or as that I will execute an perform all other law representatives, or as continuations thereof reissues or extensions.	IEE) all my right, title, and interest for the United States, its territor the above-identified invention and United States patent application continuations thereof, and in and to any and all Letters Patent of the displication or for said invention, including any and all reissues and enjoyed by said ASSIGNEE, its successors, or assigns to the finand all such Letters Patent may be granted as fully and entirely as me had this Assignment not been made. In display, the Director of the U.S. Patent and Trademark Office to said ASSIGNEE, its successors, or assigns in accordance herewent that I have the full and unencumbered right to sell and assign the display that I have not executed and will not execute any document or it all agree that I will communicate to said ASSIGNEE, its successors assigns all information known to me relating to said invention or paid deliver any papers, make all rightful oaths, testify in any legal proful acts deemed necessary or desirable by said ASSIGNEE, its successors and to any and all Letters Patent that may be granted therefor or so, in said ASSIGNEE, its successors, or assigns, or to assist said resentatives, or assigns in obtaining, reissuing, or enforcing Letter invention.	on, including any ne United States that or extensions uil end of the term or s would have been or issue any and all ith, the interests herein instrument in ors, legal atent application and oroceedings, and accessors, legal ag divisions and thereon, including ASSIGNEE, its
	DECLARATION	
The above-identified I believe that I am the application. I hereby	eventor, I hereby declare that: application was made or authorized to be made by me. coriginal inventor or an original joint inventor of a claimed inventor acknowledge that any willful false statement made in this declarate by fine or imprisonment of not more than five (5) years, or both	tion is punishable
Signature:	eryli Sgarashi	8/8/2023 DATE

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

(For Use with Signed Application Data Sheet)

Title of Inven	ion: WORK MACHINE		······································
[] The	This assignment and declaration are directed to (check one): [] The application identified above by the attorney docket no. and title of invention [] United States Application No		
	ASS	SIGNMENT	
		nd sufficiency of which are hereby ackind by these presents hereby sell and ass	
Name of Assig	nee: <u>Hitachi Construction Mac</u>	hinery Co., Ltd.	
Address of As	Address of Assignee: 16-1, Higashiueno 2-chome, Taito-ku, Tokyo 110-0015, Japan		
(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.			
	DEC	CLARATION	
The above-ident I believe that I a application. I he	reby acknowledge that any willful t	orized to be made by me. aljoint inventor of a claimed invention calse statement made in this declaration of more than five (5) years, or both.	
Signature:	Ryshei Fukuchi	ξ	/24/2023
Inventor:	Ryohei FUKUCHI	D/	ATE

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

Title of Invention: WORK MAC	CHINE	
[] United States Application	are directed to (check one): d above by the attorney docket no. at No, filed cation No PCT/JP2022/033805_, fi	
	ASSIGNMENT	
	, the receipt and sufficiency of which and assigned, and by these presents here	
Name of Assignee: <u>Hitachi Cons</u>	truction Machinery Co., Ltd.	
Address of Assignee: 16-1, Higashiu	ueno 2-chome, Taito-ku, Tokyo 110-0	015, Japan
possessions in and to the above-identiand all divisions or continuations ther may issue on any such application or thereof, to be held and enjoyed by sa terms for which any and all such Lette held and enjoyed by me had this Assi I hereby authorize and request the Dissuch Letters Patent to said ASSIGNE. I warrant and covenant that I have the sold and assigned and that I have not conflict herewith. I further covenant and agree that I wirepresentatives, or assigns all informathat I will execute and deliver any papperform all other lawful acts deemed representatives, or assigns to perfect the continuations thereof and to any and a reissues or extensions, in said ASSIG	rector of the U.S. Patent and Trademar E, its successors, or assigns in accordance full and unencumbered right to sell are executed and will not execute any documentary to sell an executed and will not execute any documentary to said inverters, make all rightful oaths, testify in a necessary or desirable by said ASSIGN itle to said invention, to said applicational Letters Patent that may be granted to NEE, its successors, or assigns, or to assigns in obtaining, reissuing, or enformation in accordance in the said invention, to said applicational testing in obtaining, reissuing, or enformation in the said invention, to said application in obtaining, reissuing, or enformation.	at application, including any Patent of the United States that all reissues or extensions and to the full end of the term or entirely as would have been as would hav
	DECLARATION	
I believe that I am the original inventor application. I hereby acknowledge that	declare that: made or authorized to be made by me or or an original joint inventor of a clair at any willful false statement made in the isonment of not more than five (5) yea	med invention in the nis declaration is punishable
Signature: Yorake	fyaki	8/21/2023
Inventor: Yusuke SUZUKI		DATE

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

Title of Invention: WORK MACHINE	
This assignment and declaration are directed to (check one): [] The application identified above by the attorney docket no. and title of [] United States Application No	
ASSIGNMENT	
For good and valuable consideration, the receipt and sufficiency of which are hereby below-named inventor I have sold and assigned, and by these presents hereby sell and	acknowledged, as a l assign, unto:
Name of Assignee: <u>Hitachi Construction Machinery Co., Ltd.</u>	
Address of Assignee: 16-1, Higashiueno 2-chome, Taito-ku, Tokyo 110-0015, Japan	1
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territ possessions in and to the above-identified invention and United States patent application and all divisions or continuations thereof, and in and to any and all Letters Patent of the may issue on any such application or for said invention, including any and all reissues thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the fitterms for which any and all such Letters Patent may be granted as fully and entirely as 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 such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herew. I warrant and covenant that I have the full and unencumbered right to sell and assign to sold and assigned and that I have not executed and will not execute any document or it conflict herewith. I further covenant and agree that I will communicate to said ASSIGNEE, its successor representatives, or assigns all information known to me relating to said invention or pathat I will execute and deliver any papers, make all rightful oaths, testify in any legal perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its sucrepresentatives, or assigns to perfect title to said invention, to said application including continuations thereof and to any and all Letters Patent that may be granted therefor or reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said a successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Lette United States for said invention.	on, including any ne United States that so or extensions full end of the term or so would have been to issue any and all eith. The interests herein instrument in the interest
<u>DECLARATION</u>	
As a below named inventor, I hereby declare that: 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 inventor of a claimed invenapplication. I hereby acknowledge that any willful false statement made in this declara under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both	ition is punishable
Signature: Itivaki Taenceka	8/8/2023
Inventor: Hiroaki TANAKA	DATE

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

(For Use with Signed Application Data Sheet)

Title of Invention: WORK MACHINE		
[] The appli	nd declaration are directed to (check one): cation identified above by the attorney dockeates Application No	
	ASSIGNMEN'	<u>r</u>
	ole consideration, the receipt and sufficiency of or I have sold and assigned, and by these present	
Name of Assignee:	Hitachi Construction Machinery Co., Ltd.	
Address of Assigned	e: 16-1, Higashiueno 2-chome, Taito-ku, Tokyo	o 110-0015, Japan
Address of Assignee: 16-1, Higashiueno 2-chome, Taito-ku, Tokyo 110-0015, Japan (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		
	<u>DECLARATIO</u>	<u>N</u>
The above-identified I believe that I am the application. I hereby	ventor, I hereby declare that: application was made or authorized to be made original inventor or an original joint inventor of acknowledge that any willful false statement m by fine or imprisonment of not more than five	of a claimed invention in the ade in this declaration is punishable
	suhiko Hanehama	8/10/2023
Inventor: Mits	suhiko KANEHAMA	DATE

プライバシー保護法声明書

1974 年プライバシー保護法 (P.L. 93-579) は、特許出願あるいは特許に関する添付種類の提出に関連して、特定情報があなたに与えられるよう規定しています。したがって、同法規の規定にしたがい、下記のことがらを銘記してください。(1) 本情報の収集を律する法規は35 U.S.C. 2(b)(2)です。(2) 求められた情報の提供は、本人の任意です。さらには、(3) 米国特許商標庁がこの情報を使用する主目的は、特許出願または特許の提出を処理し、あるいは審査するためです。求められた情報を提供しなかった場合、米国特許商標庁は提出されたものを処理、審査できなくなる場合がありますので、その結果として、処理の打ち切り、あるいは出願の破棄、あるいは特許失効に終わることがあります。

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- 1. 本用紙に記載されている情報は、情報公開法 (5 U.S.C. 552) およびプライバシー保護法 (5 U.S.C 552a) が許容する範囲において極秘扱いとなります。本記録システムの記録は、本記録の開示が情報公開法で要求されているか否かを判断するために、司法省に開示される場合があります。
- 2. 本記録システムの記録は通常使用目的として、示談交渉手順における反対側弁護士への開示を含め、証拠の提示として法廷、 予審判事、あるいは行政裁判所に開示される場合があります。
- 3. 本記録システム中の記録は通常使用目的として、記録に関する個人が該当する記録に関して、米国会議員に支援を要請する場合、個人の関与を要請する米国会議員に開示される場合があります。
- 4. 本記録システム中の記録は通常使用目的として、契約を執行するためにその情報を必要とする、本庁の契約業者に開示される場合があります。情報の受理者は5 U.S.C. 552a(m) に基づき、1974 プライバシー法の規定要件を順守しなければなりません。
- 5. 特許協力条約のもとで出願された国際出願に関する本記録システム内の記録は、通常使用目的として、特許協力条約に基づき、世界知的所有権機関に開示される場合があります。
- 6. 本記録システムの記録は通常使用目的として、国家安全保障(35 U.S.C. 181)による再審理、および原子力法(42 U.S.C. 218(c)にもとづく再審理の目的において、他の連邦政府機関に開示される場合があります。
- 7. 本記録システムの記録は通常使用目的として、44 U.S.C. 2904 及び 2906 に基づく記録管理慣行及びプログラムの改善を推奨するために、米一般調達局長官(GSA)により、当機関の責任の一部として行われる記録の検査機関中に、GSA、またはその被指名人に開示される場合があります。上記の開示は、本目的のための記録検査を規定する GSA 規定、及び関連(GSA あるいは商務省)の指令に準拠して行われます。かかる開示は、個人を特定する目的のもとに使用されてはなりません。
- 8. 本記録システムの記録は通常使用目的として、35 U.S.C. 122(b) に基づく出願公開後あるいは 35 U.S.C. 151に基づく特許発行後に、一般に開示される場合があります。さらに記録は通常使用目的として、37 CFR 1.14の制限のなかで、出願がなされても放棄され、またはその処理が終決しており、なおかつそれが公開出願で参照されている、特許出願が一般審査のために公開されている、または特許が発行されている場合は、一般に公開されることがあります。
- 9. 本記録システムの記録は、通常使用目的として、米国特許商標庁が、法律や法規の違反した、あるいは潜在的に違反があると判断した場合は、連邦、州、または地方自治体の警察等に開示される場合があります。

PATENT REEL: 064733 FRAME: 0884

RECORDED: 08/29/2023