505388771 03/22/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNICHI OKADA	03/11/2019
KAZUNORI HIRANUMA	03/11/2019

RECEIVING PARTY DATA

Name:	SUMITOMO HEAVY INDUSTRIES, LTD.	
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City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	141-6025	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16361472

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ATTORNEY DOCKET NUMBER:	19SJ-002	
NAME OF SUBMITTER:	KYOKO MACKILLOP	
SIGNATURE:	/Kyoko MacKillop/	
DATE SIGNED:	03/22/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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PATENT 505388771 REEL: 048669 FRAME: 0595

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PATENT REEL: 048669 FRAME: 0596

VERIFICATION OF TRANSLATION

I, Tadashige Itoh, a Patent Attorney of Tokyo, Japan having my office at 16th Floor, Marunouchi MY PLAZA (Meiji Yasuda Seimei Building), 1-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-0005 Japan do solemnly and sincerely declare that the English-language translation(s) in the attached combined declaration and assignment(s) is correct, true and faithful translation(s) to the best of my knowledge and belief.

Dated March 22, 2019

Tadashige Itoh

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PATENT REEL: 048669 FRAME: 0597

COMBINED DECLARATION AND ASSIGNMENT

特許出願宣言書及び譲渡証

本譲渡証は、(1) 、及び(2) に 居所を有する、 (1) 、及び(2) (以下、譲渡 人)によるものであり、	THIS ASSIGNMENT, by (1) Junichi OKADA, and (2) Kazunori HIRANUMA (hereinafter referred to as "Assignors"), residing at (1) Kanagawa, Japan, and (2) Kanagawa, Japan, respectively;
譲渡人は、既に出願された、又は、本譲渡証と同時 に署名される米国特許証のための特許出願に記載さ れた以下の発明の名称を有する発明をなし:	WHEREAS, Assignors have made an invention entitled: SHOVEL
	(Application No, filed)
(出願番号:, 出願日:)、	set forth in a patent application for Letters Patent of the United States, either previously filed or executed concurrently herewith and
一方、に営業所を有する、 (以下、譲受人)は、上記発明及び 米国特許証のための上記出願、及びそこから得られ る全ての米国特許証に関する全ての権利、権原、及 で利益の取得を希望し	WHEREAS, SUMITOMO HEAVY INDUSTRIES, LTD. (hereinafter referred to as "Assignee"), having offices at 1-1, Osaki 2-chome, Shinagawa-ku, Tokyo 141-6025 Japan, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the

そのためここに、受領を確認した5ドル及び有効に して価値ある他の対価と引き換えに、譲渡人は、譲 受人ならびにその承継人、法定代理人及び(更な る) 譲受人に対して、上記発明及び特許証のための 上記出願、及び上記特許出願の全ての直接的及び間 接的な分割出願、継続出願、継続審査及び一部継続 出願、それらに基づく合衆国及びにあらゆる全ての 外国において付与される全ての特許証、当該特許証 の再発行、再審査及び延長についての全ての権利、 権原及び利益と、工業所有権保護に関する国際条約 上の全ての権利とを、本譲渡が実施されなかった場 合に譲渡人が保持・享受したであろう場合と完全に 同様に、特許証の存続期間及び/又は延長期間が満 了するまでの間、譲受人自らの使用及び利益のため に、またその承継人、法定代理人及び(更なる)譲 受人の使用及び利益のために譲受人により保持・享 受されるように、売却、譲渡、移転、設定してお り、本書面によりこれを証する。

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United States, and in and to any Letters Patent of the United

States to be obtained therefor and thereon;

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 the 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 said invention and application for Letters Patent above-mentioned,

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譲渡人は本書類を米国特許商標庁へ登録するための 規則に従うために必要な又は望ましい更なる特定の ための情報を本譲渡証に挿入する権限を以下のもの に与える:カスタマーナンバー77464に関連づけら れている全ての有資格者。

譲渡人は、本発明がなされた時点において当該発明 を譲受人へ譲渡する義務があったことを認める。

私/我々は以上の証として以下の適切な欄に署名を 行う。 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 invention, 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 invention, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said invention in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation, continued prosecutions, 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 that the Director of the United States Patent and Trademark Office issue said Letters Patent of the United States to Assignee, as Assignee of said invention and the said 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: All practitioners associated with the Customer Number <u>77464</u>.

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

IN TESTIMONY WHEREOF, I/WE have set our hand(s) in the appropriate space below.

宣宣畫	<u>Declaration</u>
下記発明者である私は、以下を宣雷します。	As a below named inventor, I hereby declare that:
本宣言は、以下を対象とする:	This declaration is directed to:
■ 添付の出願、あるいは■ 米国出願番号又は PCT国際出願番号 として、 の月に提出された出願	The attached application, or United States application or PCT international application number filed on
上記の出願は私自身、あるいは私が権限を授与したも のによって行われたものです。	The above-identified application was made or authorized to be made by me.
私は本出願に記載の発明に関する原初の発明者、ある いは原初の共同発明者です。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
本宣誓客において故意に虚偽の申し立てを行った場合は18U.S.C.1001により、罰企あるいは最高五(5)年の禁固刑、あるいはその両方による罰則の対象となることを承知しています。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fin or imprisonment of not more than five (5) years, or both.
生:本書面に必要な情報やサインは英語右欄のみに記入 日本語左欄は英語原本理解のための参考情報。	Note: Insert the necessary information and signature for this form in the English column only. The Japanese column is reference information to aid understanding of the English.
Date (日付):	March 11, 2019
Legal Name of Inventor(発明者氏名):	Junichi OKADA
Signature(発明者署名):	.Tunich: Okada
Date (日付):	March 11, 2019
Legal Name of Inventor(発明者氏名):	Kazunori HIRANUMA
Signature (発明者署名):	Kasunori Hiranuma

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