#### 504129435 12/08/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4176106

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name             | Execution Date |
|------------------|----------------|
| YOKO TSUKADA     | 11/29/2016     |
| NORITAKA ITOU    | 11/25/2016     |
| TAKASHI IKIMI    | 12/02/2016     |
| SATORU KANEKO    | 11/29/2016     |
| TAKASHI FUJIMOTO | 11/25/2016     |

#### 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: | 15317165 |

#### **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: lbuckler@crowell.com

Correspondent Name: CROWELL & MORING LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, NW

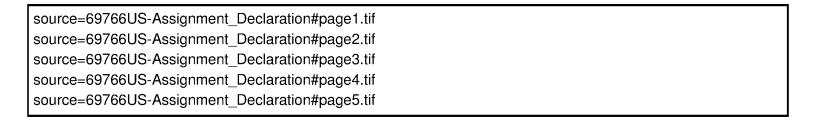
Address Line 4: WASHINGTON, D.C. 20004

| ATTORNEY DOCKET NUMBER: | 080306.69766US   |
|-------------------------|--|
| NAME OF SUBMITTER:      | JEFFREY D. SANOK   |
| SIGNATURE:              | /Jeffrey D. Sanok/   |
| DATE SIGNED:            | 12/08/2016   |
|                         | This document serves as an Oath/Declaration (37 CFR 1.63). |
|                         | ·  |

Total Attachments: 5

PATENT REEL: 040599 FRAME: 0457

504129435



U.S. Rights

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

| Title of Invention:   | WORKING M  | ACHINE  |  |
|---|--|---|--|
| the application in PCT Internation  | claration are directed to (check one)<br>dentified above by the attorney dock<br>al Application Number PCT/JP2015<br>oplication No.  | ket no. and title of inve<br>5/055640, filed Februar  | ry 26, 2015  |
|   | ASSIGNM  | ENT   |  |
| For good and valuable of below-named inventor   | consideration, the receipt and suffici<br>have sold and assigned, and by the   | ency of which are here<br>se presents hereby sell   | eby acknowledged, as a and assign, unto:   |
| Name of Assignee:   | HITACHI CONSTRUCTION M   | ACHINERY CO., L   | rd.  |
| Address of Assignee:  | 16-1, Higashiueno 2-chome, Tait  | o-ku, Tokyo 110-0015  | , Japan  |
| and to the above-identificontinuations thereof, a application or for said in by said ASSIGNEE, its  | E) all my right, title, and interest for ied invention and United States patend in and to any and all Letters Patenvention, including any and all reiss successors, or assigns to the full entanted as fully and entirely as would ade.  | ent application, includi<br>ent of the United States<br>sues or extensions there<br>d of the term or terms  | ng any and all divisions or<br>that may issue on any such<br>eof, to be held and enjoyed<br>for which any and all such   |
|   | equest the Director of the U.S. Pate<br>SSIGNEE, its successors, or assigns  |   |  |
| I warrant and covenant and assigned and that I herewith.  | that I have the full and unencumber<br>have not executed and will not exec   | ed right to sell and assi<br>ute any document or in   | gn the interests herein sold<br>astrument in conflict  |
| or assigns all information and deliver any papers, acts deemed necessary operfect title to said inversall Letters Patent that mits successors, or assigns | gree that I will communicate to said<br>in known to me relating to said inve-<br>make all rightful oaths, testify in an<br>or desirable by said ASSIGNEE, its<br>nation, to said application including of<br>ay be granted therefor or thereon, in<br>s, or to assist said ASSIGNEE, its so<br>enforcing Letters Patent of the Unite | ntion or patent applica<br>y legal proceedings, an<br>successors, legal repre<br>livisions and continuat<br>acluding reissues or ex<br>uccessors, legal represe | tion and that I will execute<br>id perform all other lawful<br>sentatives, or assigns to<br>ions thereof and to any and<br>tensions, in said ASSIGNEE,<br>entatives, or assigns in |
|   | <b>DECLARA</b>   | <u> FION</u>  |  |
| As a below named inver  | ntor, I hereby declare that:   |   | :  |
| The above-identified app  | plication was made or authorized to  | be made by me.  |  |
| I believe that I am the or  | riginal inventor or an original joint i  | nventor of a claimed in   | vention in the application.  |
|   | at any willful false statement made<br>ament of not more than five (5) year  |   | unishable under 18 U.S.C.  |
| Signature: Yoko T   | to Isukada<br>ISUKADA  | •   | November 29,2016<br>DATE   |

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

(For Use with Signed Application Data Sheet)

WORKING MACHINE

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| heck one):                                |
| rney docket no. and title of invention    |
| CT/JP2015/055640, filed February 26, 2015 |
| , filed                                   |
|   |

#### ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee:

HITACHI CONSTRUCTION MACHINERY CO., LTD.

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.

### DECLARATION

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 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: Inventor:

Norttaka Itow Noritaka ITOU

U.S. Rights

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

(For Use with Signed Application Data Sheet)

| Title of Invention:  |
|--|
| WORKING 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/JP2015/055640, filed February 26, 2015  United States Application No  |
| ASSIGNMENT   |
| For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:   |
| Name of Assignee: HITACHI CONSTRUCTION MACHINERY CO., LTD.   |
| 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. |
| <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 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: Jakashi Ukimi 12/2/2016 Inventor: Takashi IKIMI DATE  |

U.S. Rights

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

(For Use with Signed Application Data Sheet)

| Title of Invention:  WORKING 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/JP2015/055640, filed February 26, 2015  United States Application No   |  |  |  |
|   |  |  |  |
| ASSIGNMENT  |  |  |  |
| For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  |  |  |  |
| Name of Assignee: HITACHI CONSTRUCTION MACHINERY CO., LTD.  |  |  |  |
| 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. |  |  |  |
| <b>DECLARATION</b>  |  |  |  |
| 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 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: Satoru Kaneko 11/29/2016 Inventor: Satoru KANEKO DATE  |  |  |  |

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

(For Use with Signed Application Data Sheet)

| FET # / N |          |          |
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| WOR | KINO | i MA | CHINE |
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|     |      |      |       |

| This assignment and declaration are dir | rected to (check one):                            |
|---|---|
| the application identified above        | by the attorney docket no. and title of invention |
|   | Number PCT/JP2015/055640, filed February 26, 2015 |
| United States Application No.           | , filed   |
|   |   |

#### ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

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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.

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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.

### DECLARATION

As a below named inventor, I hereby declare that:

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I believe that I am the original inventor or an original joint inventor 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: Inventor:

Takashi FUJIMOTO
Takashi FUJIMOTO

**PATENT** REEL: 040599 FRAME: 0463

**RECORDED: 12/08/2016**