

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4493418

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAAKI UETAKE	06/28/2017
NOBUKI HASEGAWA	06/28/2017
KAZUNARI KAWAI	06/28/2017
TAITO FUJITA	06/22/2017
YUICHI KODAMA	06/28/2017
RUI FUKUI	05/18/2017
TAKAYOSHI NIHO	05/21/2017

RECEIVING PARTY DATA

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Street Address:	2-3-6, AKASAKA, MINATO-KU
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State/Country:	JAPAN
Postal Code:	107-8414
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City:	TOKYO
State/Country:	JAPAN
Postal Code:	113-8654

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15542183

CORRESPONDENCE DATA

Fax Number: (617)227-4420

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.

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PATENT

ATTORNEY DOCKET NUMBER:	1451345.672US9
NAME OF SUBMITTER:	JAMES E. ARMSTRONG, IV
SIGNATURE:	/James E. Armstrong, IV/
DATE SIGNED:	07/07/2017
Total Attachments: 3 source=1451345_672US9_Assignment#page1.tif source=1451345_672US9_Assignment#page2.tif source=1451345_672US9_Assignment#page3.tif	

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

KOMATSU LTD.

2-3-6, Akasaka, Minato-ku, Tokyo, 107-8414 Japan

The University of Tokyo

3-1, Hongo 7-chome, Bunkyo-ku, Tokyo, 113-8654 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

EXCAVATION MACHINE, METHOD OF CONTROLLING EXCAVATION MACHINE, AND EXCAVATION SYSTEM

relating to International Patent Application PCT/JP2016 /050568 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____ / _____

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Masaaki Uetake</u> (Signature)	Masaaki UETAKE (Type Name)	June 28, 2017 (Date)
2) <u>Nobuki Hasegawa</u> (Signature)	Nobuki HASEGAWA (Type Name)	June 28, 2017 (Date)
3) <u>Kazunari Kawai</u> (Signature)	Kazunari KAWAI (Type Name)	June 28, 2017 (Date)
4) _____ (Signature)	Taito FUJITA (Type Name)	_____ (Date)
5) <u>Yuichi Kodama</u> (Signature)	Yuichi KODAMA (Type Name)	June 28, 2017 (Date)
6) _____ (Signature)	Rui FUKUI (Type Name)	_____ (Date)
7) _____ (Signature)	Takayoshi NIHO (Type Name)	_____ (Date)

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2) _____ (Signature)	Nobuki HASEGAWA (Type Name)	_____ (Date)
3) _____ (Signature)	Kazunari KAWAI (Type Name)	_____ (Date)
4) _____ (Signature)	Taiio FUJITA (Type Name)	June 22, 2017 (Date)
5) _____ (Signature)	Yuichi KODAMA (Type Name)	_____ (Date)
6) _____ (Signature)	Rui FUKUI (Type Name)	_____ (Date)
7) _____ (Signature)	Takayoshi NIHO (Type Name)	_____ (Date)

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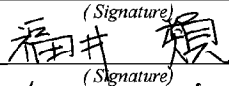
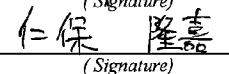
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5) _____ (Signature)	Yuichi KODAMA (Type Name)	_____ (Date)
6)  (Signature)	Rui FUKUI (Type Name)	May 18, 2017 (Date)
7)  (Signature)	Takayoshi NIHO (Type Name)	May 21, 2017 (Date)