502177075 12/27/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hisashi MIYASAKA	12/21/2012
Kazuyuki SAGARA	12/21/2012
Shuichi OSAWA	12/21/2012

RECEIVING PARTY DATA

Name:	KOMATSU LTD.	
Street Address:	2-3-6, Akasaka, Minato-ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	107-8414	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13807164

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	209083-0007-00-US
NAME OF SUBMITTER:	Peter J. Sistare

Total Attachments: 2

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PATENT REEL: 029534 FRAME: 0471 JP \$40.00 1380/164

ATTORNEY DOCKET NO.: SOLE/JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named in made an invention entitled: Construction Machine	nventor(s), [hereinafter referred to as Ass	ignor(s)], have
for which I/WE executed an application for United States Letters Patent on	nited States Letters Patent concurrently h	erewith; or filed an); and
WHEREAS, KOMATSU LTD., a control Akasaka, Minato-ku, Tokyo 107-8414 securing the entire right, title, and interest in a Letters Patent on this invention and the Letters	nd to this invention, the application for U	nee), is desirous of
NOW THEREFORE, be it known that from assignee is hereby acknowledged, I/WE, and do hereby sell, assign, transfer, and set over MY/OUR entire right, title, and interest in and continuations thereof, and all Letters Patent of reissues thereof; and I/WE hereby authorize at the United States to issue all Letters Patent for accordance with the terms of this Assignment;	er unto the assignee, its lawful successor to this invention and this application, ar f the United States which may be granted and request the Commissioner of Patents to this invention to assignee, its successors	ferred, and set over, s and assigns, ad all divisions, and thereon, and all and Trademarks of
AND, I/WE HEREBY further covena communicate with assignee, its successors and invention and testify in any legal proceeding, and deliver all papers that may be necessary of assignee, its successors and assigns, execute a all rightful oaths and generally do everything and enforce proper patent protection for this is expense incident to the execution of such papers.	sign all lawful papers when called upon to r desirable to perfect the title to this inve ll divisional, continuation, and reissue ap possible to aid assignee, its successors an avention in the United States, it being un	pecting this to do so, execute ntion in said uplications, make ad assigns, to obtain derstood that any
AND, I/WE HEREBY authorize and and Power of Attorney in this application, to it the filing date and application number of said IN TESTIMONY WHEREOF, I/WE	application when known.	
	Assignor's Signature Hisashi Miyasaka	Date December 21, 2012
Address c/o KOMATSU LTD. Awazu Plant, Tsu 23 Futsu-machi, Komatsu-shi, Ishikawa 923-0392 Japan		Citizenship Japanese
Full Name of Second Assignor Kazuyuki SAGARA	Assignor's Signature Nasymuhi Sagara	Date December 21, 2012
Full Name of Second Assignor Kazuyuki SAGARA Address c/o KOMATSU LTD. Awazu Plant, Tsu 23 Futsu-machi, Komatsu-shi, Ishikawa 923-0392 Japan		Citizenship Japanese
Names of additional inventors attached Y		

PATENT REEL: 029534 FRAME: 0472

ATTORNEY DOCKET NO.:

Full Name of Third Assignor	Assignor's Signature	Date
Shuichi OSAWA	Shuichi Osawa	December 21, 2012
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Address		Citizenship
Full Name of Sixth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eleventh Assignor	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached	_Yes ⊠No	

RECORDED: 12/27/2012

PATENT REEL: 029534 FRAME: 0473