

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|-----------------------------|---------------|----------------|---------------------|------------|--------------|------------|--------------|------------|------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>KATSUHIRO IKEGAMI</td> <td>12/13/2013</td> </tr> <tr> <td>YOSHIKI KAMI</td> <td>12/13/2013</td> </tr> <tr> <td>YUKI SHIMANO</td> <td>12/13/2013</td> </tr> <tr> <td>HAYATO MATSUMOTO</td> <td>12/13/2013</td> </tr> </tbody> </table> | | Name | Execution Date | KATSUHIRO IKEGAMI | 12/13/2013 | YOSHIKI KAMI | 12/13/2013 | YUKI SHIMANO | 12/13/2013 | HAYATO MATSUMOTO | 12/13/2013 |
| Name | Execution Date | | | | | | | | | | |
| KATSUHIRO IKEGAMI | 12/13/2013 | | | | | | | | | | |
| YOSHIKI KAMI | 12/13/2013 | | | | | | | | | | |
| YUKI SHIMANO | 12/13/2013 | | | | | | | | | | |
| HAYATO MATSUMOTO | 12/13/2013 | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14127263</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14127263 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 14127263 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (617)227-4420 | | | | | | | | | | |
| Phone: | 2024787375 | | | | | | | | | | |
| Email: | aangelov@edwardswildman.com | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> | | | | | | | | | | | |
| Correspondent Name: | EDWARDS WILDMAN PALMER LLP | | | | | | | | | | |
| Address Line 1: | P.O BOX 55874 | | | | | | | | | | |
| Address Line 4: | BOSTON, MASSACHUSETTS 02205 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 94505(302753) | | | | | | | | | | |
| NAME OF SUBMITTER: | JAMES E. ARMSTRONG, IV | | | | | | | | | | |
| Signature: | /James E. Armstrong, IV/ | | | | | | | | | | |
| Date: | 12/18/2013 | | | | | | | | | | |
| Total Attachments: 1 source=94505_Assignment#page1.tif | | | | | | | | | | | |

CH \$40.00 14127263

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

(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)

APPARATUS AND METHOD FOR ASSISTING HYDRAULIC CYLINDER STROKE INITIAL CALIBRATION WORK

relating to International Patent Application PCT/JP2013/061120 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>Katsuhiko Ikegami</u> <i>(Signature)</i> | <u>Katsuhiko IKEGAMI</u> <i>(Type Name)</i> | <u>Dec. 13, 2013</u> <i>(Date)</i> |
| 2) <u>Yoshiki Kami</u> <i>(Signature)</i> | <u>Yoshiki KAMI</u> <i>(Type Name)</i> | <u>Dec. 13, 2013</u> <i>(Date)</i> |
| 3) <u>Yuki Shimano</u> <i>(Signature)</i> | <u>Yuki SHIMANO</u> <i>(Type Name)</i> | <u>Dec. 13, 2013</u> <i>(Date)</i> |
| 4) <u>Hayato Matsumoto</u> <i>(Signature)</i> | <u>Hayato MATSUMOTO</u> <i>(Type Name)</i> | <u>Dec. 13, 2013</u> <i>(Date)</i> |
| 5) _____ <i>(Signature)</i> | _____ <i>(Type Name)</i> | _____ <i>(Date)</i> |