

PATENT ASSIGNMENT

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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>Kazuhiko FUNABASHI</td> <td>05/09/2012</td> </tr> <tr> <td>Nobuhiro TAKANO</td> <td>05/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kazuhiko FUNABASHI	05/09/2012	Nobuhiro TAKANO	05/09/2012						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>HITACHI KOKI CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>No.15-1, Kounan 2-chome,</td> </tr> <tr> <td>Internal Address:</td> <td>Minato-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>108-6020</td> </tr> </table>		Name:	HITACHI KOKI CO., LTD.	Street Address:	No.15-1, Kounan 2-chome,	Internal Address:	Minato-ku,	City:	Tokyo	State/Country:	JAPAN	Postal Code:	108-6020
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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>13496602</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13496602								
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CORRESPONDENCE DATA													
<p>Fax Number: (202)756-8087</p> <p>Phone: 202-756-8000</p> <p>Email: Washington_IP_Docket@mwe.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: MCDERMOTT WILL & EMERY LLP</p> <p>Address Line 1: 600 13TH STREET, N.W.</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-3096</p>													
ATTORNEY DOCKET NUMBER:	089818-0016												
NAME OF SUBMITTER:	Brian K. Seidleck 51,321 kaw												
<p>Total Attachments: 2</p> <p>source=Assign_Transmittal_089818-0016#page1.tif</p> <p>source=Assign_Transmittal_089818-0016#page2.tif</p>													

CH \$40.00 13496602

RECORDATION FORM COVER SHEET

Docket No.: 089818-0016

PATENTS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of Conveying Party(ies)

Kazuhiko FUNABASHI, Nobuhiro TAKANO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): May 9, 2012

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: HITACHI KOKI CO., LTD.

Internal Address:

Address: No.15-1, Kounan 2-chome,
Minato-ku,
Tokyo, 108-6020 JAPAN

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No(s).

13/496,602

☐ This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: MCDERMOTT WILL & EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington, State: DC Zip: 20005-3096
D.C.

Phone Number: 202.756.8000

Fax Number: 202.756.8087

Email Address: Washington_IP_Docket@mwe.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 500417

Authorized User Name _____

9. Signature.

for Brian K. Seidleck 51,321

[Signature] *Reg No*
53,308

June 4, 2012

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 2

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Kazuhiko FUNABASHI (5) _____

(2) Nobuhiro TAKANO (6) _____

(3) _____ (7) _____

(4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) HITACHI KOKI CO., LTD.

(10) Insert Address of Assignee (10) No.15-1, Kouman 2-chome, Minato-ku, Tokyo 108-6020 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) ELECTRIC OPERATING MACHINE

(Attorney Docket No. _____)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application (12) on MAY 09 2012

(13) Alternative Identification for filed applications (13) U.S. application Serial Number 13/496,602

filed March 16, 2012

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of McDermott Will & Emery LLP 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>MAY 09 2012</u>	Name of Inventor	<u>Kazuhiko Funabashi</u> (SEAL)
			Kazuhiko FUNABASHI
Date	<u>MAY 09 2012</u>	Name of Inventor	<u>Nobuhiro Takano</u> (SEAL)
			Nobuhiro TAKANO
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)

PATENT

RECORDED: 06/04/2012

REEL: 028313 FRAME: 0415