11-28-2008 U.S. DEPARTMENT OF COMMERCE O-1595 (Rev. 10/08) 0651-0027 (exp. 11/30/2008) 103537255 To the Director of the U.S. Patent and Trademark Office: Plea 1. Name of conveying party(ies): Shunsuke Mori (09/26/2008) and Kazutaka Suefuji Hitachi, Ltd. Name: (09/26/2008) Internal Address: Yes X No Additional name(s) of conveying party(ies) attached? Street Address: 3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name Chiyoda-ku x Assignment Merger Change of Name Security Agreement Joint Research Agreement City: Government Interest Assignment State: Executive Order 9424, Confirmatory License Japan Country: Additional name(s) & address(es) Other 4. Application or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 12/285,036 Additional numbers attached? Yes 6. Total number of applications and 5. Name and address to whom correspondence concerning document should be mailed: patents involved: Name: RADER, FISHMAN & GRAUER PLLC 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Internal Address: Atty. Dkt.: HBS-0006 Street Address: 1233 20th Street, N.W. Suite 501 Washington City: 8. Payment Information 20036 State: (202) 955-3750

(<del>202)</del>, 955-3751

Carl Schaukowitch - 29,211

Name of Person Signing

Signature

Phone Number:

Fax Number:

Email Address: 9. Signature:

United States Patent and Trademark Office documents or the new address(es) below. 2. Name and address of receiving party(ies) 6-6 Marunouchi 1-chome, 100-8280 This document is being filed together with a new application. 1 40.00 Authorized to be charged to deposit account None required (government interest not affecting title) 18-0013 Deposit Account Number Authorized User Name Carl Schaukowitch November 24, 2008 Date

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

## **ASSIGNMENT**

| (1-8)                                                                                                                                                                                                                        | Insert                                                                                                                                                  | (1)                                                                                                        | Shunsuke M               | ORI                      | (5)                                   | ············                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------------------------------------|------------------------------------------------------|
|                                                                                                                                                                                                                              | Name(s) of                                                                                                                                              | (2)                                                                                                        | Kazutaka SI              | JEFUJI                   | (6)                                   | ·<br>                                                |
|                                                                                                                                                                                                                              | Inventor(s)                                                                                                                                             | (3)                                                                                                        |                          |                          | (7)                                   | and                                                  |
|                                                                                                                                                                                                                              |                                                                                                                                                         | (4)                                                                                                        |                          |                          | (8)                                   |                                                      |
|                                                                                                                                                                                                                              |                                                                                                                                                         |                                                                                                            | In conside               | ration of the sum of o   | one dollar (\$1.00) and o             | other good and valuable considerations paid          |
|                                                                                                                                                                                                                              | to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer a                                                      |                                                                                                            |                          |                          |                                       |                                                      |
|                                                                                                                                                                                                                              |                                                                                                                                                         |                                                                                                            | over to                  |                          |                                       |                                                      |
| (9)                                                                                                                                                                                                                          | Insert Name of Assignee                                                                                                                                 |                                                                                                            | litachi, Ltd.            |                          |                                       |                                                      |
| (10) Insert Address of Assignee (10) <u>Hitachi, Ltd. 6-6 Marunouchi 1-chome, Chiyoda-ku, Tokyo, 100-82</u>                                                                                                                  |                                                                                                                                                         |                                                                                                            |                          |                          |                                       |                                                      |
|                                                                                                                                                                                                                              |                                                                                                                                                         | •                                                                                                          | _                        |                          | -                                     | terest for the United States of America as           |
|                                                                                                                                                                                                                              |                                                                                                                                                         |                                                                                                            |                          |                          |                                       | for patent including any and all divisions,          |
|                                                                                                                                                                                                                              | continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues and reexamination co                                             |                                                                                                            |                          |                          |                                       | ons, reissues and reexamination certificates         |
|                                                                                                                                                                                                                              |                                                                                                                                                         | that may be granted on the invention known as  (11) SCROLL TYPE FLUID MACHINE AND AIR SUSPENSION APPARATUS |                          |                          |                                       |                                                      |
| (11)                                                                                                                                                                                                                         | Insert Identification,                                                                                                                                  |                                                                                                            |                          |                          | JE AND AIR SUSI                       | PENSION APPARATUS                                    |
|                                                                                                                                                                                                                              | such as Title, Case                                                                                                                                     | 0                                                                                                          | SING THE S               | AME                      |                                       |                                                      |
|                                                                                                                                                                                                                              | Number or Foreign                                                                                                                                       | (G ) }                                                                                                     |                          |                          |                                       |                                                      |
|                                                                                                                                                                                                                              | Application Number                                                                                                                                      | (Case No)                                                                                                  |                          |                          |                                       |                                                      |
| For which the undersigned has (have) executed an application for patent in the United States (                                                                                                                               |                                                                                                                                                         |                                                                                                            |                          |                          |                                       | it in the United States of America                   |
| (12)                                                                                                                                                                                                                         | Insert Date of                                                                                                                                          | (10)                                                                                                       | Contombor                | 26 2009                  |                                       |                                                      |
|                                                                                                                                                                                                                              | Signing of Application                                                                                                                                  | (12) on _                                                                                                  | September                | 20, 2006                 |                                       |                                                      |
| (12)                                                                                                                                                                                                                         | Alternative                                                                                                                                             |                                                                                                            |                          |                          |                                       |                                                      |
| (13)                                                                                                                                                                                                                         | identification for                                                                                                                                      | (12) 11 9                                                                                                  | annlication Serial       | Number                   |                                       |                                                      |
|                                                                                                                                                                                                                              | filed applications                                                                                                                                      |                                                                                                            | • -                      |                          |                                       |                                                      |
|                                                                                                                                                                                                                              | med applications                                                                                                                                        | 11100                                                                                                      |                          | <del> </del>             |                                       |                                                      |
| 1)                                                                                                                                                                                                                           | The undersigned agree                                                                                                                                   | e(s) to execut                                                                                             | e all papers necessa     | ary in connection with t | he application and any co             | ntinuing, 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 Assign                                                                        |                                                                                                                                                         |                                                                                                            |                          |                          |                                       | plications and patents as the Assignee may deem      |
|                                                                                                                                                                                                                              | necessary.                                                                                                                                              |                                                                                                            |                          |                          |                                       |                                                      |
| 2)                                                                                                                                                                                                                           | The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning to                        |                                                                                                            |                          |                          |                                       |                                                      |
| continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignee in every way possib                                                                                 |                                                                                                                                                         |                                                                                                            |                          |                          |                                       | gnee 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 Director of Patents to issue any and all Letters Patents of the United States resulting from sai |                                                                                                            |                          |                          |                                       |                                                      |
|                                                                                                                                                                                                                              | application or any divisional, con                                                                                                                      | ntinuing or re                                                                                             | issue applications to    | the said Assignee, as A  | Assignee of the entire inter          | rest, 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 agree                                                                                          |                                                                                                                                                         |                                                                                                            |                          |                          |                                       | · · ·                                                |
| 6)                                                                                                                                                                                                                           | •                                                                                                                                                       |                                                                                                            |                          |                          |                                       | 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.                                                                               |                                                                                                                                                         |                                                                                                            |                          |                          |                                       | cordation of this document.                          |
|                                                                                                                                                                                                                              |                                                                                                                                                         |                                                                                                            |                          |                          |                                       |                                                      |
|                                                                                                                                                                                                                              | In witness whereof, executed                                                                                                                            | by the und                                                                                                 | ersigned on the da       | ate(s) opposite the un   | dersigned name(s).                    |                                                      |
| Date                                                                                                                                                                                                                         | September 26, 2008 Name                                                                                                                                 | e of Invento                                                                                               | $r = \frac{5n\alpha}{2}$ | make Flor                | · · · · · · · · · · · · · · · · · · · | (SEAL)                                               |
| Date                                                                                                                                                                                                                         | September 26, 2008Name<br>September 26, 2008Name<br>Name                                                                                                | e of Invento                                                                                               | r <u>Fa</u>              | zuraka Vi                | refige                                | (SEAL)                                               |
|                                                                                                                                                                                                                              | Name                                                                                                                                                    | e of Invento                                                                                               | r                        |                          |                                       | (SEAL)                                               |
|                                                                                                                                                                                                                              |                                                                                                                                                         |                                                                                                            |                          |                          |                                       |                                                      |
| Date                                                                                                                                                                                                                         | Name                                                                                                                                                    | e of Invento                                                                                               | r                        |                          |                                       | (SEAL)                                               |
|                                                                                                                                                                                                                              | This assignment should prefer                                                                                                                           | rahlu he cia                                                                                               | ned hefore: (a) a l      | Notary Public if with    | in the IIS A                          |                                                      |
| This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A.  (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: |                                                                                                                                                         |                                                                                                            |                          |                          |                                       |                                                      |
| Date September 26,2008 Witness  Date September 26,2008 Witness  Kinningri Sugaro                                                                                                                                             |                                                                                                                                                         |                                                                                                            |                          |                          |                                       |                                                      |
| Date                                                                                                                                                                                                                         | September 26,2008 Witne                                                                                                                                 | ess                                                                                                        | Kiminas !                | Hurana                   |                                       |                                                      |
|                                                                                                                                                                                                                              |                                                                                                                                                         |                                                                                                            |                          |                          |                                       | <del></del>                                          |

**RECORDED: 11/24/2008** 

PATENT REEL: 021910 FRAME: 0995