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To the Director of the U.S. Patent and Trademark Office

103562663

documents or the new address(es) below.

1. Name of conveying party(ies):

Takayasu Sakashita

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): May 22, 2009

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

2. Name and address of receiving party(ies)

Name: Hitachi, Ltd.

Internal Address:

Street Address:

6-6, Marunouchi 1-chome  
Chiyoda-ku

City: Tokyo

State:

Country: JAPAN Zip: 100-8280

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

4. Application or patent number(s):

A. Patent Application No.(s)

This application

☒ 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:

RADER, FISHMAN & GRAUER PLLC

Internal Address: Atty. Dkt.: HBS-0015

Street Address: 1233 20th Street, N.W.  
Suite 501

City: Washington

State: DC Zip: 20036

Phone Number: (202) 955-3750

Fax Number: (202) 955-3751

Email Address:

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 to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 18-0013

Authorized User Name Carl Schaukowitch

9. Signature:

Signature

May 26, 2009

Date

Carl Schaukowitch - 29,211

Name of Person Signing

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

2

## ASSIGNMENT

(GF-7330)

(1-8) Insert (1) Takayasu SAKASHITA (5) \_\_\_\_\_  
 Name(s) of (2) \_\_\_\_\_ (6) \_\_\_\_\_  
 Inventor(s) (3) \_\_\_\_\_ (7) \_\_\_\_\_ and  
 (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 s over to

(9) Insert Name of Assignee (9) Hitachi, Ltd.  
 (10) Insert Address of Assignee (10) Hitachi Ltd. 6-6 Marunouchi 1-chome, Chiyoda-ku, Tokyo, 100-8280, Japan  
 (hereinafter designated as the Assignee) the entire right, title and interest for the United States of America defined in 35 U.S.C. § 100, in the invention, and in all applications for patent including any and all division continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as  
 (11) Insert Identification, (11) \_\_\_\_\_  
 such as Title, Case ELECTRIC DISK BRAKE  
 Number or Foreign  
 Application Number (Case No. \_\_\_\_\_)  
 For which the undersigned has (have) executed an application for patent in the United States of America  
 (12) Insert Date of (12) on May 22, 2009  
 Signing of Application  
 (13) Alternative (13) U.S. application Serial Number \_\_\_\_\_  
 identification for filed applications

- 1) The undersigned agree(s) to execute all papers necessary in connection with the 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 Assignee may deem necessary.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof, or any patent or reissue application based thereon, 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 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 said application or any divisional, continuing or reissue applications 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 Rader, Fishman & Grauer PLLC 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 May 22, 2009 Name of Inventor Takayasu Sakashita (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)

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 \_\_\_\_\_ Witness \_\_\_\_\_  
 Date \_\_\_\_\_ Witness \_\_\_\_\_

PATENT

RECORDED: 05/26/2009

REEL: 022782 FRAME: 0508