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FORM PTO-1596  
1-31-92

IEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50388-028

PATENTIS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Parties:  
Hitoshi OYAMA, Takao NISHIOKA, Kenji  
MATSUNUMA, and Kouichi SOGABE  
Additional name(s) of conveying party(ies) attached?  Yes

2. Name and address of receiving party:  
Name: Itami Works of Sumitomo Electric Industries, Ltd.  
Address: 1-1, Koyakita 1-chome  
Itami-shi  
Hyogo, Japan  
Additional name(s) & address(es) attached?  Yes

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: November 28, 2000

jc825 U.S. PTO  
09/729348  
12/05/00

4. Application number(s) or patent number(s):  
If the document is being filed together with a new application, the execution date of the application is: November 28, 2000  
A. Patent Application No(s).  
09/729348

B. Patent No(s).

Additional numbers attached?  Yes

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: MCDERMOTT, WILL & EMERY  
Internal Address:  
Street Address: 600 13<sup>th</sup> Street, N.W.  
City: Washington State: DC Zip: 20005

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41) \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
500417

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
Arthur J. Steiner, 26,106  
Name and Registration No. of Person Signing  
Signature  
December 5, 2000  
Date  
Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Hitoshi OYAMA
- (2) Takao NISHIOKA
- (3) Kenji MATSUNUMA

- (4) Kouichi SOGABE
- (5) \_\_\_\_\_
- (6) \_\_\_\_\_

who have made a certain new and useful invention, hereby sell, assign and transfer unto

c/o Itami Works of Sumitomo Electric Industries, Ltd.  
1-1, Koyakita 1-chome, Itami-shi, Hyogo, Japan for all

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

ELECTROMAGNETIC ACTUATOR AND VALVE-OPEN-CLOSE MECHANISM

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; or

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_.

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE:

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- 1) Hitoshi Oyama  
Name: Hitoshi OYAMA
- 2) Takao Nishioka  
Name: Takao NISHIOKA
- 3) Kenji Matsunuma  
Name: Kenji MATSUNUMA
- 4) Kouichi Sogabe  
Name: Kouichi SOGABE
- 5) \_\_\_\_\_  
Name: \_\_\_\_\_
- 6) \_\_\_\_\_  
Name: \_\_\_\_\_

- Nov. 28, 2000
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