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FORM PTO-1596  
1-31-92

JET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50389-016

100803437  
PATENTS ONLY

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

1. Name of Conveying Parties:  
Jin-Joo PARK and Chihiro KAWAI  
  
Additional name(s) of conveying party(ies) attached?  Yes

2. Name and address of receiving party:  
Name: Sumitomo Electric Industries, Ltd.  
Address: 5-33, Ktahama, 4-chome, Chuo-ku, Osaka-shi  
  
Osaka, JAPAN  
  
Additional name(s) & address(es) attached?  Yes

JCS42 U.S. PTO  
09/13/98  
08/14/98

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: August 3, 1998

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: August 3, 1998  
A. Patent Application No(s).  
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: 99 Canal Center Plaza, Suite 300  
  
City: Alexandria State: VA Zip: 22314

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  
Date  
August 14, 1998

Total number of pages comprising cover sheet: 1

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

( 08/26/1998 TTON11 00000106 500417 09134605 )  
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Docket No.: \_\_\_\_\_

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) <u>Jin-Joo PARK</u>  | (4) _____ |
| (2) <u>Chihiro KAWAI</u> | (5) _____ |
| (3) _____                | (6) _____ |

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

(1) Sumitomo Electric Industries, Ltd., of 5-33, Kitahama, 4-chome, Chuo-ku,  
Osaka-shi, Osaka, Japan

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

CERAMIC FILTER MODULE

(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 August 3, 1998,

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) <u>Jin-Joo Park</u><br>Name: <u>Jin-Joo PARK</u>   | <u>August 3, 1998</u> |
| 2) <u>Chihiro Kawai</u><br>Name: <u>Chihiro KAWAI</u> | <u>August 3, 1998</u> |
| 3) _____<br>Name: _____                               | _____                 |
| 4) _____<br>Name: _____                               | _____                 |
| 5) _____<br>Name: _____                               | _____                 |
| 6) _____<br>Name: _____                               | _____                 |