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## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50395-162

## PATENTS ONLY

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

## 1. Name of Conveying Party(ies):

Hideaki NAKAHATA, Akihiro HACHIGO, Natsuo  
TATSUMI, Takahiro IMAI and Shinichi SHIKATAAdditional name(s) of conveying party(ies) attached? ☐ Yes

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: July 1, July 1, June 25, June 21 and July 1,  
2002 (respectively)

## 2. Name and address of receiving party(ies):

Name: SUMITOMO ELECTRIC INDUSTRIES, LTD.

Address: 5-33, Kitahama 4-chome  
Chuo-ku, Osaka-shi  
Osaka 541-0041, JAPAN

8-802

19-203423

Additional name(s) & address(es) attached? ☐ Yes

## 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: July 1, July 1, June 25,  
June 21 and July 1, 2002  
(respectively)

## A. Patent Application No(s).

## B. Patent No(s).

08/14/2002 ATRANI 00000028 500417 10203423

02 FC:581

40.00 CH

Additional numbers attached? ☐ Yes5. 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

August 8, 2002

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

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

PATENT  
REEL: 013355 FRAME: 0012

**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) Hideaki NAKAHATA
- (2) Akihiro HACHIGO
- (3) Natsuo TATSUMI

- (4) Takahiro IMAI
- (5) Shinichi SHIKATA
- (6)

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

Sumitomo Electric Industries, Ltd. of 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, 541-0041 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

**SURFACE ACOUSTIC WAVE DEVICE AND SUBSTRATE THEREOF**

(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 dated indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Hideaki Nakahata  
Name: Hideaki NAKAHATA

July 1, 2002

2) Akihiro Hachigo  
Name: Akihiro HACHIGO

July 1, 2002

3) Natsuo Tatsumi  
Name: Natsuo TATSUMI

June 25, 2002.

4) Takahiro Imai  
Name: Takahiro IMAI

June 21, 2002

5) Shin-ichi Shikata  
Name: Shinichi SHIKATA

July 1, 2002

6) \_\_\_\_\_  
Name: \_\_\_\_\_