

Atty Docket No.: 0039-7092-2/hc

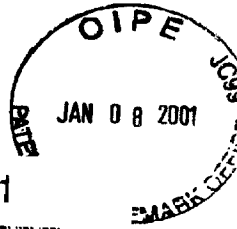
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To the Honorable Commissioner of Patents:

original documents or copy thereof.

1. Name of conveying party(ies):

Osamu FURUKAWA

12.

Name of receiving party(ies):

Name: KABUSHIKI KAISHA TOSHIBA

Address: 72, Horikawa-cho, Saiwai-ku,
Kawasaki-shi,
Kanagawa-ken, JAPAN

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

3. Nature of Conveyance:

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

Execution Date: February 3, 1999

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/262,319

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:



22850

6. Total applications and patents involved:

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 15-0030

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Marvin J. Spivak

Name of Person Signing

Registration Number: 24,913

Joseph A. Scafetta Jr.
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Jan. 8, 2001
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Joseph A. Scafetta, Jr.
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PATENT
REEL: 011412 FRAME: 0275

Assignment Of Application

WHEREAS, I (WE) Osamu FURUKAWA

OF

4-11-17, Yokodai, Sagamihara-shi, Kanagawa-ken, Japan

INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS:

_____, respectively,

have invented certain new and useful improvements in: SURFACE ACOUSTIC WAVE DEVICE AND COMMUNICATION APPARATUS

INSERT TITLE OF INVENTION:

for which an application for Letters Patent was executed on February 3, 1999
(Application No. 09/262,319, filed March 4, 1999), and

INSERT DATE INVENTORS SIGNED DECLARATION:

WHEREAS, KABUSHIKI KAISHA TOSHIBA

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:

(hereinafter referred to as "ASSIGNEE") having a place of business at: 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: February 3, 1999 _____
 (Signature of Inventor) Osamu Furukawa
 Osamu FURUKAWA

Date: _____
 (Signature of Inventor) _____

Date: _____
 (Signature of Inventor) _____

Date: _____
 (Signature of Inventor) _____

Date: _____
 (Signature of Inventor) _____

Date: _____
 (Signature of Inventor) _____

Date: _____
 (Signature of Inventor) _____

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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 FOURTH FLOOR
 1755 JEFFERSON DAVIS HIGHWAY
 ARLINGTON, VIRGINIA 22202