

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

Shohei TANIGUCHI  
Yutaka BANBA

M2D  
8.25.00

Add'l name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: August 23, 2000

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

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
1006, Oaza Kadoma  
Kadoma-shi  
Osaka 571-8501 JAPAN

Add'l. name(s) & address(es) attached? ☐ Yes ☒ No

09-08-2000



ic:862 U.S. PTO  
09/645326

08/25/00

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

101452407

If this document is being filed together with a new application, the execution date of the application is: Aug. 25, 2000

A. Patent Application No.(s)

B. Patent No.(s)

09/645326

Additional numbers attached? ☐ Yes ☒ No

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

Louis Woo, Esq.  
Law Offices of Louis Woo  
1901 N. Fort Myer Drive  
Suite 501  
Arlington State: VA Zip: 22209

6. Total number of applications and patents involved [1]

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

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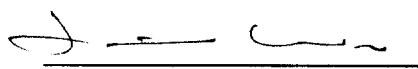
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ASSIGNMENT

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) Shohei TANIGUCHI  
(2) Yutaka BANBA  
(3) \_\_\_\_\_

(4) \_\_\_\_\_  
(5) \_\_\_\_\_  
(6) \_\_\_\_\_

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

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 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

METHOD AND APPARATUS FOR SUB-BAND CODING AND DECODING

(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 23, 2000,

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

1) Shohei Taniguchi  
Name: Shohei Taniguchi  
2) Yutaka Banba  
Name: Yutaka Banba  
3) \_\_\_\_\_  
Name: \_\_\_\_\_  
4) \_\_\_\_\_  
Name: \_\_\_\_\_  
5) \_\_\_\_\_  
Name: \_\_\_\_\_  
6) \_\_\_\_\_  
Name: \_\_\_\_\_

## DATE SIGNED

August 23, 2000  
August 23, 2000  
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