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Patent and Trademark Office

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Rec'd PCT/PTO 29 MAR 2005

To the Honorable Commissioner of Patent.

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and original documents or copy thereof.

1. Name of conveying party(ies):

- 1) **Hiroyuki Yoshikawa**
- 2) **Shunsuke Hirano**

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

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

Name: Matsushita Electric Industrial Co., Ltd.

Street Address: 1006, Oaza Kadoma

City: Kadoma-shi State: Osaka Country: Japan

Zip: 571-8501

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

3. Nature of Conveyance:

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

Execution Date: 1-2) March 22, 2005

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: March 22, 2005

A. Patent Application No.(s):

01/2005 MKAYPAGH 00000149 10529539

FC:8021

40.00 DP

B. Patent No.(s):

Additional number(s) attached? Yes No

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

Customer No.: 52054

Name: Jeffrey J. Sopko

Street Address: 1801 East 9th Street

Suite 1200

City: Cleveland State: OH Zip: 44114-3108

6. Total number of applications and patents involved: 1

7. Total Fee (37 C.F.R. §3.41) \$40.00

- Enclosed
- Authorized to be charged to Deposit Account for any uncovered fees

8. Deposit Account No.

16-0820, Order No. 38138

(Attach duplicate copy of this page if paying by deposit account)

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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.

Jeffrey J. Sopko

Name of Person Signing

Signature

March 29, 2005

Date

Total number of pages including cover sheet, attachments, and document: 3

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10-18-1995 4/5

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

BROADBAND MODULATION PLL, TIMING ERROR CORRECTING SYSTEM FOR BROADBAND MODULATION PLL, MODULATION TIMING ERROR CORRECTING METHOD AND METHOD OF ADJUSTING RADIO COMMUNICATION DEVICE HAVING BROADBAND MODULATION PLL

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below, which application is further identified as Pearne & Gordon LLP Docket No. 38038

WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation of Japan, having a place of business at 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Pearne & Gordon LLP the power to insert on this assignment any further identification 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.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name: Hiroyuki YOSHIKAWA
Signature: Hiroyuki Yoshikawa
Today's Date: March 22, 2005
Date I signed Declaration: March 22, 2005
Witness: _____
Witness: _____

(2) Inventor Name: Shunsuke HIRANO
Signature: Shunsuke Hirano
Today's Date: March 22, 2005
Date I signed Declaration: March 22, 2005
Witness: _____
Witness: _____

(3) Inventor Name: _____
Signature: _____
Today's Date: _____
Date I signed Declaration: _____
Witness: _____
Witness: _____