

03-01-1999



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Hitonobu FURUKAWA et al.

Serial No.: 09/209,734

Group Art Unit: 2817

Filed: December 11, 1998

For: DEMODULATOR

Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:

Date: 2-19-99

By: Marc A. Rossi
Marc A. Rossi

ASSIGNMENT TRANSMITTAL LETTER

Assistant Commissioner for
Patents, Washington, D.C. 20231

Sir:

Please record the attached Assignment in the name of the assignor and the assignee as indicated below and return the original document to the undersigned.

1. Name of Conveying Party(ies):

Hitonobu FURUKAWA; Masami TAKIGAWA; Akira MISHIMA;
Hiroaki OZEKI; Sachiko HAYASHI

2. Name and Address of Receiving Party(ies):

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

3. Execution Date of Assignment: 2/3/99

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

5. Total number of applications and patents involved: 1

All correspondence should be addressed to:

Marc A. Rossi
ROSSI & ASSOCIATES
P.O. Box 826
Ashburn, VA 20146-0826

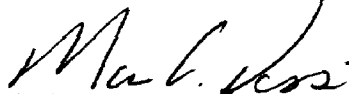
The Assignment recordation fee (\$40.00) is covered by our attached Check Number # 3126.

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. Total number of pages including cover sheet, attachments and document THREE (3).

If there should be any questions concerning the amount of the fee or should our check become detached, please debit or credit our Deposit Account Number 18-2056 as needed in order to effect proper filing of the attached document.

Respectfully submitted,

ROSSI & ASSOCIATES



Marc A. Rossi
Registration No. 31,923

2-19-99
Date

Attorney Docket No. MATS:015
ROSSI & ASSOCIATES
P.O. Box 826
Ashburn, VA 20146-0826
703-904-4332

*** ASSIGNMENT ***

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to:

Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Address: 1006, OAZA KADOMA, KADOMA-SHI, OSAKA, 571 JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as:

Title: DEMODULATOR

identified by the Assignee as P17276-01(I.S.MATSU) and ATTORNEY DOCKET NUMBER MATS:015, for which the undersigned has (have) executed and filed an application for patent in the United States of America on the date 12/11/98 and now designated as U.S. Patent Application Serial No. 09/209,734.

The undersigned hereby agree(s) to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said applications or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned have full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed and will not execute any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of ROSSI & ASSOCIATES the power to insert on this assignment any further identification, including but not limited to the ATTORNEY DOCKET NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

	Print Name	Date	Signature
(1)	<u>HITONOBU FURUKAWA</u>	<u>2/3/99</u> Month/Day/Year	<u>Hitonobu Furukawa</u>
(2)	<u>MASAMI TAKIGAWA</u>	<u>2/3/99</u> Month/Day/Year	<u>Masami Takigawa</u>
(3)	<u>AKIRA MISHIMA</u>	<u>2/3/99</u> Month/Day/Year	<u>Akira Mishima</u>
(4)	<u>HIROAKI OZEKI</u>	<u>2/3/99</u> Month/Day/Year	<u>Hiroaki Ozeki</u>
(5)	<u>SACHIKO HAYASHI</u>	<u>2/3/99</u> Month/Day/Year	<u>Sachiko Hayashi</u>

This assignment should preferably be signed before: a Notary Public if within the United States of America; a U.S. Consul if outside the United States of America; or before at least two witnesses. Witnessed by:

(1)	<u>Kiyoko Kano</u>	<u>2/3/99</u> Month/Day/Year	<u>Kiyoko Kano</u>
(2)	<u>Yoko Yamaoka</u>	<u>2/3/99</u> Month/Day/Year	<u>Yoko Yamaoka</u>