

07-22-1999



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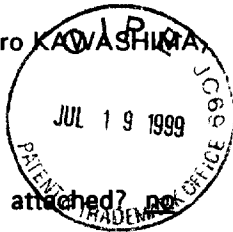
U.S. DEPARTMENT OF COMMERCE
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To the Assistant Commissioner for Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof.

1. Name of conveying party(ies):

Masaru FUSE, Kuniaki UTSUMI, Seiichiro KAWASHIMA,
Koji KIKUSHIMA



Additional name(s) of conveying party(ies) attached? no

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

Name: Matsushita Electric Industrial Co., Ltd. and
Nippon Telegraph and Telephone Corporation

Street Address: 1006, Oazakadoma, Kadoma-shi,
Osaka-fu, Japan and 19-2 Nishi-Shinjuku 3-chome,
Shinjuku-ku, Tokyo 163-8019, Japan

Additional name(s) & address(es) attached? no

3. Nature of conveyance:

Supplemental Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: June 18, 23, and July 8, 1999

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)

09/080,312

B. Patent No.(s)

Additional numbers attached? no

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

Name: WENDEROTH, LIND & PONACK, L.L.P.

Street Address: 2033 K Street, N.W., Suite 800

City: Washington, State: DC ZIP: 20006

6. Total number of applications and patents involved: 1

YOE

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

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[98-0619*/DRO/1413]

Authorized to be charged to deposit account

8. Deposit account number: _____

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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.

Dhiren R. Odedra, Reg. No. 41,227
Name of Person Signing

Dhiren R. Odedra
Signature

July 19, 1999
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

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THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEE FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Masaru FUSE,

Insert Name(s)
of Inventor(s)

Kuniaki UTSUMI,

Seiichiro KAWASHIMA and

Koji KIKUSHIMA

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)
of Assignee(s)

(1) Matsushita Electric Industrial Co., Ltd. and (2) Nippon Telegraph and Telephone Corporation

Address

of (1) 1006, Oazakadoma, Kadoma-shi, Osaka-fu, Japan and (2) 19-2 Nishi-Shinjuku 3-chome,

Shinjuku-ku, Tokyo 163-8019, Japan

Title of
Invention

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 USC 100, in the invention known as

FM MODULATION DEVICE

Date of Signing
of Application

for which an application for patent in the United States of America has been executed by the undersigned

on June 18, 1999, June 18, 1999, June 23, 1999 and July 8, 1999

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) 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 application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 Street K Street, N.W., Suite 800, Washington, D.C. 20006, 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 1999/6/18, Name of Inventor Masaru Fuse
 Masaru FUSE

Date 1999/6/18, Name of Inventor Kuniaki Utsumi
 Kuniaki UTSUMI

Date 1999/6/23, Name of Inventor Seichiro Kawashima
 Seichiro KAWASHIMA

Date JULY 8, 1999, Name of Inventor Koji Kikushima
 Koji KIKUSHIMA

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Giichiro Okuda

Witness Akihito Ishikawa

ACKNOWLEDGEMENT

_____ }
 _____ } ss

This _____ day of _____, 19____, before me

personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

Official Signature

Official Title

SEAL

The above application may be more particularly identified as follows:

U.S. Application Serial No. 09/080,312 Filing Date May 18, 1998

Applicant Reference Number FP-0269 Atty Docket No. 1413/FP-0269

Title of Invention FM MODULATION DEVICE