

03-27-2001

/ER SHEET



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TO THE ASSISTANT COMMISS

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ed original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1) Shunichi Matsushita; 2) Shu Namiki;
3) Yoshihiro Emori

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

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

Name: FURUKAWA ELECTRIC CO., LTD.

Address: 6-1, Marunouchi 2-chome
Chiyodaku Tokyo 100-8322
JAPAN

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1) 2/14/01 2) 2/14/01 3) 2/14/01

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

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/654,974
Filing Date: September 5, 2000() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Mark J. Gallagher
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Sixteenth Floor

Street Address: 620 Newport Center Drive

City: Newport Beach State: CA ZIP: 92660

Attorney's Docket No.: FURUK.001AUS

7. Total fee (37 CFR 3.41): \$40

(X) Enclosed

(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Mark J. Gallagher

Name of Person Signing

Signature

Date

43,622

Registration No.

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

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

03/26/2001 GT0N11 00000219 09654974

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Assistant Commissioner for Patents
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ASSIGNMENT

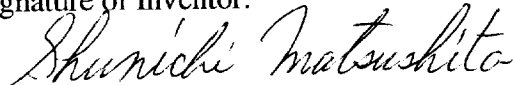
WHEREAS, We, Shunichi Matsushita, a citizen of Japan, residing at _____, Shu Namiki, a citizen of Japan, residing at _____, and Yoshihiro Emori, a citizen of Japan, residing at _____, have invented certain new and useful improvements in a OPTICAL SIGNAL AMPLIFIER for which we have filed an application for Letters Patent in the United States, Application No. 09/654,974 filed on September 5, 2000;

AND WHEREAS, FURUKAWA ELECTRIC CO., LTD. (hereinafter "ASSIGNEE"), with its principal place of business at _____, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Signature of Inventor:




Shunichi Matsushita

Date:

Feb. 14, 2001

Signature of Witness:



Typed Name of Witness:

Date:

Feb. 14, 2001

Signature of Inventor:



Shu Namiki

Date:

Feb. 14, 2001

Signature of Witness:



Typed Name of Witness:

Date:

Feb. 14, 2001

Signature of Inventor:

Yoshihiro Emori

Yoshihiro Emori

Date: Feb. 14, 2001

Signature of Witness:

Takuzo Hagiwara

Typed Name of Witness:

Date: Feb. 14, 2001

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