

07-21-2004
102796174

1. Name of conveying party(ies):
Kosuke KOMAKI
Hiroyuki Itou
Hiroshi Iizuka



7.14.01

2. Name and Address of receiving party(ies):
FUJITSU LIMITED
1-1, Kamikodanaka, 4-chome
Nakahara-ku, Kawasaki-shi
Kanagawa 211-8588 Japan

3. Nature of conveyance:
 Assignment
 Security Agreement
 Other: _____
Execution Date(s): November 21, 2002

4. Application number(s) or patent number(s):
 This document is being filed together with a new application:
(a) The execution date(s) of the application is/are:
(b) The title is:
OR
 This document is being filed after filing of the application:
(a) Patent Application No(s). 10/316,080, filed December 11, 2002; or
(b) Patent No(s). , issued .

5. Name and address of party to whom correspondence concerning document should be mailed:
STAAS & HALSEY LLP Our Docket: 837.1996
Attention: Gene M. Garner II
1201 New York Ave., N.W., Suite 700
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)
 Enclosed
 Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

07/20/2004 MSETACHE 00000100 10316080

01 FC:0021 40.00 DP

Gene M. Garner II, Reg. No. 34,172
Name of Person Signing

Signature

July 15, 2004
Date

Total number of pages including cover sheet: 2

DO NOT USE THIS SPACE

10/21/03



10-27-2003



102583767

C

FORM PTO-1595 **RECORDATION FORM COVER SHEET** U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

2001 Staas & Halsey LLP

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

- Name of conveying party(ies):
Kosuke KAMAKI
Hiroyuki ITOU
Hiroshi Iizuka
- Name and Address of receiving party(ies):

FUJITSU LIMITED
1-1, Kamikodanaka, 4-chome
Nakahara-ku, Kawasaki-shi
Kanagawa 211-8588 Japan
- Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
Execution Date(s): November 21, 2002
- Application number(s) or patent number(s):
 This document is being filed together with a new application:
(a) The execution date(s) of the application is/are: November 21, 2002
(b) The title is: OPTICAL AMPLIFIER AND CONTROL METHOD THEREFOR
OR
 This document is being filed after filing of the application:
(a) Patent Application No(s). _____ / _____, filed _____; or
(b) Patent No(s). _____, issued _____
- Name and address of party to whom correspondence concerning document should be mailed:
STAAS & HALSEY LLP Our Docket: 837.1996
Attention: Gene M. Garner II
700 Eleventh Street, N.W., Suite 500
Washington, D.C. 20001
- Total number of applications and patents involved: 1
- Total fee (37 CFR 3.41)..... (\$ 40.00 per Assignment)
 Enclosed
 Authorized to be charged to deposit account.
- Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)
- 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.

10316080

Gene M. Garner II, Reg. No. 34,172
Name of Person Signing

Gene M. Garner II
Signature

Dec. 11, 2002
Date

Total number of pages including cover sheet: 2

DO NOT USE THIS SPACE

U.S. ASSIGNMENT

SAH 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))
FUJITSU LIMITED

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa

211-8588 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

OPTICAL AMPLIFIER AND CONTROL METHOD THEREFOR

relating to International Patent Application PCT/JP_____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Insert date of execution of application, if not concurrent)

(b) filed on _____;

Serial No. ____/_____;

Any registered attorney of STAAS & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Kosuke Komaki</u> Kosuke Komaki	<u>Nov. 21. 2002</u>	<u>Yoshifumi Kawamura</u> Yoshifumi Kawamura
2) <u>Hiroyuki Ito</u> Hiroyuki Ito	<u>Nov. 21. 2002</u>	<u>Yoshifumi Kawamura</u> Yoshifumi Kawamura
3) <u>Hiroshi Iizuka</u> Hiroshi Iizuka	<u>Nov 21. 2002</u>	<u>Yoshifumi Kawamura</u> Yoshifumi Kawamura
4) _____	_____	_____
5) _____	_____	_____
6) _____	_____	_____

U.S. ASSIGNMENT

S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))
FUJITSU LIMITED

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa

211-8588 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

OPTICAL AMPLIFIER AND CONTROL METHOD THEREFOR

relating to International Patent Application PCT/JP _____ / _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Insert date of execution of application, if not concurrent)

(b) filed on _____;

Serial No. _____ / _____;

Any registered attorney of STAAS & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) Kosuke Komaki
Kosuke Komaki

Nov. 21. 2002

Yoshifumi Kawamura
Yoshifumi Kawamura

2) Hiroyuki Ito
Hiroyuki Ito

Nov. 21. 2002

Yoshifumi Kawamura
Yoshifumi Kawamura

3) Hiroshi Iizuka
Hiroshi Iizuka

Nov. 21. 2002

Yoshifumi Kawamura
Yoshifumi Kawamura

4) _____

5) _____

6) _____

PATENT

RECORDED: 07/16/2004

REEL: 015574 FRAME: 0317