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Attorney Docket No. **011586**DEPT. OF COMMERCE
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Commissioner for Patents: Please record the attached original documents or copy thereof.

Submission type: XX NewConveyance type: XX Assignment**Conveying Party(ies):**Execution DateFirst party Name: **SUGAWARA, Mitsuru****November 19, 2001**

Second party Name:

12107101

Third party Name:

10004804

Fourth party Name:

Additional name(s) of conveying party(ies) attached? Yes No XX**Receiving Party (ies):**First party Name: **FUJITSU LIMITED**Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8588, JapanAdditional name(s) & address(es) attached? Yes No XX**Domestic Representative Name and Address** (Enter for the first Receiving Party only)ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP
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Pages Enter the total number of pages of the attached conveyance document: 1
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Application Number(s) or Patent Number(s) Additional numbers attached? Yes ☐ No ☒

A. Patent Application No.(s)

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B. Patent No.(s)

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If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: November 19, 2001
(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)

PCT _____

Enter PCT application number only if

PCT _____

a U.S. Application Number has not been assigned

PCT _____

Number of Properties Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

☒ Enclosed☐ Authorized to be charged to Deposit Account No.: 01-2340

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.

William F. Westerman

Name of Person Signing

Signature

December 7, 2001

Date

29,988

Registration No.

U.S. ASSIGNMENT

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 ASSIGNEE's
Name(s) Address(es))

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 SIGNAL PROCESSING METHOD AND APPARATUS

(*If the assignment is
being filed after the filing
of the application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

*filed on _____, Serial No. _____
(Armstrong, Westerman, Hattori, McLeland & Naughton is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

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

(Signatures)

<u>Mitsuru Sugawara</u>	Mitsuru SUGAWARA	Nov. 19, 2001
(SIGNATURE)	(TYPE NAME)	(DATE)
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