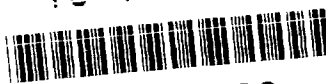


Atty Docket No.: 225423US2X/sdc

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1-31-92



10-17-2002



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To the Honorable Commissioner of Patents and Trademarks.

attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Yasunori KASAHARA 5) Masatoshi SUZUKI
- 2) Hideki GOTO 6) Yukio HORIUCHI
- 3) Takashi MIZUOCHI 7) Daishi ISHII
- 4) Kenkichi SHIMOMURA 8) Toshio KAWAZAWA

10-9-02

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

- Name: 1) MITSUBISHI DENKI KABUSHIKI
 KAISHA
- 2) KDDI CORPORATION
- 3) KDDI SUBMARINE CABLE SYSTEMS
 INC.
- Address: 1) 2-3, Marunouchi 2-chome, Chiyoda-ku,
 Tokyo 100-8310, Japan
- 2) 3-2, Nishi-shinjuku 2-chome, Shinjuku-ku,
 Tokyo 163-8003, Japan
- 3) 3-7-1, Nishi-shinjuku, Shinjuku-ku,
 Tokyo 163-1033, Japan

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

- Assignment Merger
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Execution Date: July 22, 2002

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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)
10/192,705

B. Patent No.(s)

Additional numbers attached? Yes No

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



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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
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PATENT
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Assignment Of Application

WHEREAS, I (WE) Yasunori KASAHARA, Hideki GOTO, Takashi MIZUOCHI
and Kenkichi SHIMOMURA, all residing at Tokyo, Japan and
Masatoshi SUZUKI and Yukio HORTUCHI, both residing at Saitama, Japan
and Daishi ISHII and Toshio KAWAZAWA, both residing at Tokyo, Japan

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

 _____, respectively;

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: "OPTICAL REPEATING SYSTEM
AND OPTICAL AMPLIFYING REPEATER CONTROL METHOD"

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on July 4, -2002
 (Application No. 10/192,705, filed July 11, 2002), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, see the attachment
 (hereinafter referred to as "ASSIGNEE") having a place of business at: _____
see the attachment,

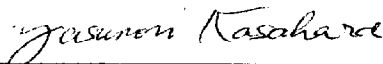
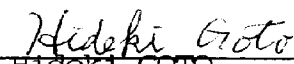
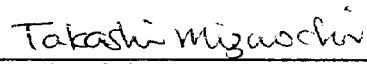

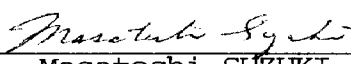
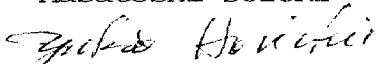


is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: July 22, 2002	 _____ (Signature of Inventor) Yasunori KASAHARA
Date: July 22, 2002	 _____ (Signature of Inventor) HIDEKI GOTO
Date: July 22, 2002	 _____ (Signature of Inventor) Takashi MIZUOCHI
Date: July 22, 2002	 _____ (Signature of Inventor) Kenkichi SHIMOMURA
Date: July 22, 2002	 _____ (Signature of Inventor) Masatoshi SUZUKI
Date: July 22, 2002	 _____ (Signature of Inventor) Yukio HORTUCHI
Date: July 22, 2002	 _____ (Signature of Inventor) Daishi ISHII
Date: July 22, 2002	 _____ (Signature of Inventor) Toshio KAWAZAWA

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