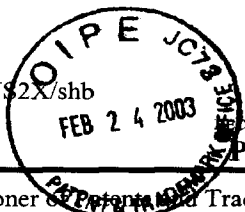


Atty Docket No.: 225415US2X/shb

FORM PTO-1595
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02-28-2003



REGISTRATION FORM

PATENTS 102377616

DEPARTMENT OF COMMERCE
Patent and Trademark Office

DA

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

1. Name of conveying party(ies):

Yasunori KASAHARA
Hideki GOTO
Takashi MIZUOCHI
Kenkichi SHIMOMURA
Yukio HORIUCHI
Masatoshi SUZUKI
Daishi ISHII
Toshio KAWAZAWA

2-24-03

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

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: July 4, 2002

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

- 1) MITSUBISHI DENKI KABUSHIKI KAISHA
- Name: 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) and address(es) attached? Yes No

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)

10/191,319

B. Patent No.(s)

Additional numbers attached? Yes No

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



22850

Tel. (703) 413-3000
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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

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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.

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Name of Person Signing

Paul A. Sacher
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Paul A. Sacher
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Finally, the attention of the Patent Office is directed to the change of address of Applicants' representative, effective January 6, 2003:
Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

1940 Duke Street
Alexandria, VA 22314.

Please direct all future communications to this new address.

PATENT
REEL: 013784 FRAME: 0453

Assignment Of Application

WHEREAS, I (WE) Yasunori KASAHARA, Hideki GOTO, Takashi MIZUOCHI
and Kenkichi SHIMOMURA, all residing at Tokyo, Japan and

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

Yukio HORIUCHI and Masatoshi SUZUKI, both residing at Saitama, Japan and
Daishi ISHII and Toshio KAWAZAWA, both residing at Tokyo, Japan

_____, 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. 10/191,319, filed July 10, 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.

ATTACHMENT

Assignee(s)

1. MITSUBISHI DENKI KABUSHIKI KAISHA

Address: 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan

2. KDDI CORPORATION

Address: 3-2, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo 163-8003
Japan


3. KDDI SUBMARINE CABLE SYSTEMS INC.

Address: 3-7-1, Nishi-shinjuku, Shinjuku-ku, Tokyo 163-1033 Japan

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 4, 2002	
	(Signature of Inventor) <u>Yasunori KASAHARA</u>
Date: July 4, 2002	
	(Signature of Inventor) <u>Hideki GOTO</u>
Date: July 4, 2002	
	(Signature of Inventor) <u>Takashi MIZUOCHI</u>
Date: July 4, 2002	
	(Signature of Inventor) <u>Kenkichi SHIMOMURA</u>
Date: July 4, 2002	
	(Signature of Inventor) <u>Yukio HORIUCHI</u>
Date: July 4, 2002	
	(Signature of Inventor) <u>Masatoshi SUZUKI</u>
Date: July 4, 2002	
	(Signature of Inventor) <u>Daishi ISHII</u>
Date: July 4, 2002	
	(Signature of Inventor) <u>Toshio KAWAZAWA</u>

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