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PATENTS  
TRADEMARKS  
& RELATED MATTERS

SEYMOUR ROTHSTEIN  
OF COUNSEL

January 29, 1999

9-4-99

02-09-1999



100960720

Box Assignment  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Re: Recordation of Patent Application Assignment (Atty Ref: MM-98105)

Dear Sir:

Please record the enclosed original document:

1. The name of the conveying parties are: Hidenori Taga, Kaoru Imai, Masatoshi Suzuki, Shu Yamamoto, and Shigeyuki Akiba.
2. The name and address of the receiving parties are: Kokusai Denshin Denwa Kabushiki-Kaisha, 3-2, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, 163-03 Japan.
3. The conveyance is an Assignment executed by Hidenori Taga, Kaoru Imai, Masatoshi Suzuki, Shu Yamamoto, and Shigeyuki Akiba on February 23, 1998.
4. The Patent Application against which the document is to be recorded is Serial No. 09/032,537 which was filed on February 27, 1998.
5. All correspondence concerning this document should be mailed to: Olson & Hierl, Ltd., 20 North Wacker Drive, 36th Floor, Chicago, IL 60606. Please return the original document to the attention of the undersigned.
6. One application is involved at a recordal fee of \$40.00 (37 C.F.R. 1.21[h]).
7. The total fee (37 C.F.R. 3.41) of \$40.00 (check no. 13091) is enclosed.

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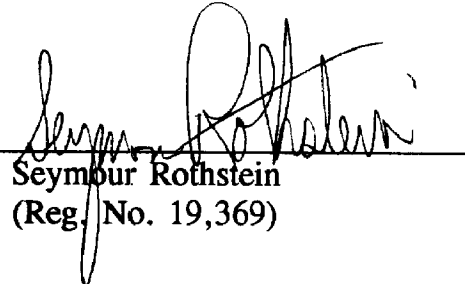
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PATENT  
REEL: 9742 FRAME: 0476

8. Please charge any deficiency or credit any overpayment to Deposit Account No. 15-0508.
9. To the best of my knowledge and belief, the foregoing information is true and correct, and the enclosed is the original document.

Respectfully submitted,

By   
Seymour Rothstein  
(Reg. No. 19,369)

SR:eam  
Enclosure

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Box Assignment, Commissioner of Patents and Trademarks, Washington, D.C. 20231 on this 29<sup>th</sup> day of January, 1999.

  
Elaine A. Mathis

Assignment

Serial No. 09/032,537

Filed February 27, 1998

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in WAVELENGTH DIVISION MULTIPLEXED OPTICAL PROCESSING DEVICE AND OPTICAL COMMUNICATION TRANSMISSION PATH

and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith, and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to Kokusai Denshin Denwa Kabushiki-Kaisha, and the heirs, successors, legal representatives and assigns of Kokusai Denshin Denwa Kabushiki-Kaisha (hereinafter collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said considerations it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The undersigned also further agrees, for the said considerations, upon the request of said Assignee, to promptly perform all lawful acts deemed by said Assignee to be necessary or advisable in connection with maintaining, enforcing, or transferring the resulting grants of said Letters Patent in the United States or foreign countries. It is agreed that such lawful acts include, but are not limited to, taking oaths, executing declarations, powers, assignments and other papers and giving testimony. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

Hidenori TAGA  
Hidenori TAGA

Kaoru IMAI  
Kaoru IMAI

Masatoshi SUZUKI  
Masatoshi SUZUKI

Shu YAMAMOTO  
Shu YAMAMOTO

Shigeyuki AKIBA  
Shigeyuki AKIBA

County of \_\_\_\_\_ )  
 ) ss.  
 )

Date: February 23, 1998

On \_\_\_\_\_, 19\_\_\_\_, \_\_\_\_\_ appeared before me, a Notary Public in and for the State and County aforesaid, and acknowledged that \_\_\_\_\_ freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

(SEAL)

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

RECORDED: 02/04/1999

PATENT  
REEL: 9742 FRAME: 0478