

07-24-1998



Express Mail No.: EM 490 492 077 US

100774662
PATENTS ONLY

Attorney Docket Number
2270-028

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Box Assignment
Washington, DC 20231

MRD 7.15.98

Please record the attached original documents or copy thereof.

U.S. PTO
09/115721
07/15/98

1. Name of conveying party(ies): Kentaro UCHIYAMA; Satoki KAWANISHI; Masatoshi SARUWATARI Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Nippon Telegraph And Telephone Corporation Address: 19-2, Nishi-shinjuku 3-chome, Shinjuku-ku, Tokyo Country (if other than USA): JAPAN	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: July 9, 1998			
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: July 9, 1998 A. Patent Application No.(s) U.S. Serial No.: Not yet known, filed herewith B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: PENNIE & EDMONDS LLP 1155 Avenue of the Americas New York, NY 10036		6. Number of applications and patents involved: 1 7. Total fee (37 CFR 3.41):.....\$ 40.00 Please charge to the deposit account listed in Section 8. 8. Deposit account number: 16-1150	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>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.</i> Charles E. Miller 24,576 <i>Charles E. Miller</i> July 15, 1998 Name of Person Signing Reg. No. Signature Date Total number of pages including cover sheet: 2			

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignment
Washington, D.C. 20231

07/23/1998 DCDATES 00000168 161150 09115721
01 FC:581 40.00 CH

ASSIGNMENT

WHEREAS, WE, (1) Kentaro Uchiyama; (2) Satoki Kawanishi; and (3) Masatoshi Saruwatari

ASSIGNORS, citizens of Japan residing at c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION, 20-2, Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo, Japan

are the inventors of the invention in ALL-OPTICAL TIME-DIVISION DEMULTIPLEXING CIRCUIT AND ALL-OPTICAL TDM-WDM CONVERSION CIRCUIT

for which we have executed an application for a Patent of the United States

- on even date herewith on (date), or identified by Pennie & Edmonds LLP docket no., or filed on Serial No.

NIPPON TELEGRAPH AND TELEPHONE CORPORATION and WHEREAS, ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States to issue all patents or other evidence or forms of industrial property protection on the aforesaid application to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date July 9, 1998, Kentaro Uchiyama L.S. Date July 9, 1998, Satoki Kawanishi L.S. Date July 9, 1998, Masatoshi Saruwatari L.S. Date L.S. Date L.S. Date L.S. Date L.S.