| im | 07-27-1998 100776920 | U.S. Department of Commerce Patent and Trademark Office Y |
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| To the Honorable Commissioner of Patents and Tradem | arks: Please record the attached orig | inal documents or copy thereof |
| 1. Name of conveying party(ies): Olaf ZIEMANN Additional name(s) of conveying parties attached | / 7 8 Name: D | and address of receiving party(ies) Deutsche Telekom AG Address: Friedrich-Ebert-Allee 140 53113 Bonn |
| 3. Nature of conveyance: | | Federal Republic of Germany al name(s) & address(es) attached? □ Yes ⊠ No |
| 4. Application numbers or patent numbers: If this document is being filed together with a | new application, the execution | on date of the application is: N/A |
| A. Patent Applications 09/064,435 | B. Patent | t No.(s) |
| Ad | ditional Numbers attached? | yes ⊠ No |
| 5 Name and address of party to whom corres concerning document should be mailed: | pondence 6. Total i | number of applications and patents involved: 1 |
| Name: Richard L. Mayer Internal Address: KENYON & KENYON Street Address: One Broadway | □ Enclo | fee (37 C.F.R. 3.41) |
| City: New York State: New York ZIP: 100 | 8. Depos | it account number. 11-0600 (Attach |
| | DO NOT USE THIS SPACE | copy of this page if paying by deposit account) |
| 9. Statement and signature. To the best of my knowledge and belief, the of the original document. Richard L. Mayer (Reg. No. 22,490) Name of Person Signing /1998 DAGUYEN 00000159 110600 09064435 | | e and correct and any attached copy is a true copy July 17, 1998 Date Total Number of pages comprising cover sheet: 4 |
| OMB N. OCS LOOK | | |
| OMB No. 0651-0011 (exp. 4/94) Mail documents to be recorded with required Commissioner of Box Assignments Washington DC | Patents and Trademarks | |
| 12270-1 | Sta Cot Dat | ereby certify that this correspondence is being deposited with the United tes Postal Service as first class mail in an envelope addressed to minissioner of Patents & Trademarks, Washington, D. C. 20231. ted: July 1 1998 nature: Richard L. MayertReg. No. 22,4900 |

PATENT

REEL: 9336 FRAME: 0234

[2345/34]

ASSIGNMENT

WHEREAS, I,

Olaf ZIEMANN Steinstr. 65 D-12307 Berlin Germany Citizenship: German

have made new and useful improvements in a **ARRANGEMENT FOR TRANSMITTING AND RECEIVING OPTICAL SIGNALS**, for which an application for Letters Patent was filed in the United States Patent and Trademark Office on April 22, 1998, Serial No. 09/064.435.

WHEREAS Deutsche Telekom AG, having a place of business at Friedrich-Ebert-Allee 140, 53113 Bonn, Germany, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

- 1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.
- 2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

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- 4. Warrant that I have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that I have good right to assign the same to Assignee without encumbrance; and that I am aware of no claim to the contrary.
- 5. Bind my heirs, legal representatives, and assigns, as well as myself to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

| 25 day of June | EREOF, I have hereunto set my hand and seal this, 1998. |
|----------------|---|
| | Olaf ZIEMANN |
| WITNESSED BY: | |

Watter (TERRIAGE)

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