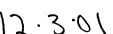
FORM PTO-1585

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To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Norbert HANIK and Herbert SCHMID Name: Deutsche Telekom AG Additional name(s) of conveying parties attached? □ Yes ⋈ No Internal Address: Street Address: Friedrich-Ebert-Allee 140 City: <u>53113 Bonn</u> 3. Nature of conveyance: State: Federal Republic of Germany ■ Assignment □ Merger ZIP: ____ □ Security Agreement □ Change of Name □ Other: Additional name(s) & address(es) attached? □ Yes No Execution dates: 11-05-01 and 11-05-01 4. Date application executed: August 13, 2001 B. Patent No.(s) A. Patent Application: 09/913,375 Additional Numbers attached? □ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: Richard L. Mayer Internal Address: KENYON & KENYON Street Address: One Broadway City: New York State: New York ZIP: 10004 CUSTOMER NO. 26646 □ Enclosed 8. Deposit account number: 11-0600 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a By: Durch Shudy Linon SHUPY. 29, 2001 true copy of the original document. done Richard L. Mayer (Reg. No. 22,490) Signature Name of Person Signing Total Number of pages including cover sheet, attachments and document:5 OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner for Patents

Box Assignments

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PATENT REEL: 012331 FRAME: 0986

ASSIGNMENT

WHEREAS, WE,

Norbert HANIK Hauptstrasse 26d 13591 Berlin Federal Republic of Germany Citizenship: German

and

Herbert SCHMID Feldstrasse 31 63512 Hainburg Federal Republic of Germany Citizenship: German

have made new and useful inventions and discoveries in METHOD FOR MONITORING THE TRANSMISSION QUALITY OF AN OPTICAL TRANSMISSION SYSTEM, IN PARTICULAR OF AN OPTICAL WAVELENGTH-DIVISION MULTIPLEX

NETWORK, the specification of which was filed as International Application Number PCT/EP00/00420 on January 20, 2000, and filed as a U.S. application having a Serial No.09/913,375 on August 13, 2001 for Letter Patent in the U.S.P.T.O.; and

WHEREAS Deutsche Telekom AG, having a place of business at Friedrich-Ebert-Allee 140, D-53113 Bonn, Federal Republic of 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 us, receipt and sufficiency of which we hereby acknowledge, we 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, including all divisional, renewal, substitute, and continuation 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

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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 our names 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.
- 4. Warrant that we 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 we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.
- 5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us 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 us, our 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 us 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 our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

Page 2 of 4

PATENT REEL: 012331 FRAME: 0988 IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this <u>S.</u> day of <u>November</u>, 2001.

Norbert HANYK

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this <u>05</u> day of <u>November</u>, 2001.

X Herbert Golmich Herbert SCHMID

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