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To the Director of the U.S. Patent

ed documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

HANS W. KOOPS

Execution Date(s) OCTOBER 19, 1999

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

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: DEUTSCHE TELEKOM AG

Internal Address: \_\_\_\_\_

Street Address: FRIEDRICH-EBERT-ALLEE 140

City: BONN

State: \_\_\_\_\_

Country: GERMANY Zip: 53113

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No.(s)

09/462,283

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: GERARD A. MESSINA, ESQ.

Internal Address: \_\_\_\_\_

KENYON & KENYON LLP

Street Address: ONE BROADWAY

City: NEW YORK

State: NEW YORK Zip: 10004

Phone Number: 212-425-7200

Fax Number: 212-425-5288

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:**

01

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 09462283

Expiration Date 11/06/00

b. Deposit Account Number 11-0600

Authorized User Name \_\_\_\_\_

**9. Signature:**

Linda Shudy Lecomte  
Signature

JUNE 7, 2007

Date

LINDA SHUDY LECOMTE (Reg. No. 47,084)

Name of Person Signing

Total number of pages including cover sheet, attachments, and document 04

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06/12/2007 11:06:00  
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[2345/108]

**ASSIGNMENT**

WHEREAS, I,

**Hans W. P. KOOPS  
Ernst-Ludwig-Strasse 16  
D-64372 Ober-Ramstadt  
Germany  
Citizenship: German**

have made new and useful improvements in a "METHOD FOR PRODUCING ACTIVE OR PASSIVE COMPONENTS ON A POLYMER BASIS FOR INTEGRATED OPTICAL DEVICES", the specification of which was filed on 5 July 1997 as International Application No. PCT/EP97/03558.

WHEREAS **Deutsche Telekom AG**, having a place of business at **Friedrich-Ebert-Allee 140, 53113 Bonn, Germany**, 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.

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.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
19 day of October, 1999.

  
Hans W. P. KOOPS

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