

03-05-1999

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please return the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Peter de Groot, Henry A. Hill, and Frank C. Demarest

Additional names(s) of conveying party(ies)  Yes  No

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

Name: ZYGO CORPORATION

Address: Laurel Brook Road

City: Middlefield State/Prov.: CT

Country: USA ZIP: 06455-0448

Additional name(s) & address(es)  Yes  No

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: February 15 & 16, 1999

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: Feb. 15 & 16, 1999

Patent Application No.	Filing date	B. Patent No.(s)
<u>Attorney Docket No. 0190/US</u>	<u>filed concurrently herewith</u>	

Additional numbers  Yes  No

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

Name: Francis J. Caufield

Registration No. 27,425

Address: 6 Apollo Circle

City: Lexington State/Prov.: MA

Country: USA ZIP: 02421-7025

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number: 03-1150

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 true copy of the original document.*

Francis J. Caufield Francis J. Caufield February 18, 1999

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and 4

REEL: 9792 FRAME: 0912

**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee, ZYGO CORPORATION, a corporation organized under the laws of the State of Delaware, having an office at 21 Laurel Brook Road, P.O. Box 448, Middlefield, Connecticut 06455-0448, the receipt whereof is hereby acknowledged, the undersigned by these presents hereby sells, assigns, transfers, and sets over unto the said Assignee the entire right, title and interest in and to the invention or improvement in INTERFEROMETER AND METHOD FOR MEASURING THE REFRACTIVE INDEX AND OPTICAL PATH LENGTH EFFECTS OF AIR, said invention being as fully set forth and described in the application executed by me on this day, preparatory to obtaining Letters Patent of the United States therefor, in and for the United States and all foreign countries, including all treaty and convention rights and the right to sue for present, past, and future infringement, the same to be held and enjoyed by said Assignee, its successors, assigns, or other legal representatives, to the full ends of the terms for which all Letters Patents therefor may be granted, 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 said Assignee is hereby authorized to make application for and to receive Letters Patent for said invention in any of said countries at its election.

And by this covenant the undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request and at the expense of said Assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said Assignee, its successors, assigns or other legal representatives, and, upon the request and at the expense of said Assignee, will execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefor, and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of said Assignee, its successors, assigns, or other legal representatives.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue any and all Letters Patent of the United States for said invention to said Assignee.

INVENTOR(s):

*Peter de Groot*  
Name: Peter de Groot  
Address: 355 Laurel Grove Road  
Middletown, CT 06457

Date: Feb. 16, 1999

State of Connecticut )  
County of Middlebury ) ss Middlefield

Before me this 16th day of February, 1999 appeared Peter de Groot to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he executed the same as his own free will for the purposes therein set forth.

*Alisa H. Swank*  
Notary Public  
*My commission expires 11/30/2001*

AFFIX SEAL

*Henry A. Hill*  
Name: Henry A. Hill  
Address: 340 S. Avenida de Palmas  
Tucson, AZ 85716

Date: 2-15-99

State of Arizona )  
County of Pima ) ss

Before me this 15<sup>th</sup> day of FEBRUARY, 1999 appeared Henry A. Hill to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he executed the same as his own free will for the purposes therein set forth.

*Carol P. Whitlock*  
Notary Public



Name: Frank C Demarest  
Frank C. Demarest  
Address: 315 East Ridge Road  
Middletown, CT 06457

Date: Feb 16, 1999

State of Connecticut

)  
County of Middlebury ) ss Middlefield

Before me this 16th day of February, 1999 appeared Frank C. Demarest to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he executed the same as his own free will for the purposes therein set forth.

Alice H. Girard  
Notary Public  
*My commission expires 11/30/2001*

AFFIX SEAL