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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

Peter J. de Groot

Additional name(s) attached? Yes No

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

Zygo Corporation
21 Laurel Brook Road
Middlefield, Connecticut 06455-0448
United States of America

Additional names/addresses attached? Yes No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Execution Date: 9/30/2003

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

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No(s):

10/659,060

B: Patent No(s):

Additional numbers attached? Yes No

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

DAVID L. FEIGENBAUM
Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved:

7. Total fee (37 CFR §3.41): \$40

- Enclosed
- Authorized to charge Deposit Account.

8. Deposit Account No.: 06-1050

Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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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.*

Marc M. Wefers, Ph.D., J.D.* for
David L. Feigenbaum
Reg. No. 30,378

Name of Person Signing

Signature

12/10/03

Date

*See attached document certifying that Marc M. Wefers has limited recognition to practice before the U.S. Patent and Trademark Office under 37 C.F.R. §10.9

Total number of pages including coversheet, attachments and document: 3

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Mail Stop Assignment Recordation Services, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dec. 12, 2003 Dawn M. Corey

Date of Deposit

Signature

Dawn M. Corey
Typed Name of Person Signing Certificate

PATENT
REEL: 014787 FRAME: 0306

ASSIGNMENT

For valuable consideration, I, PETER J. DE GROOT of 355 Laurel Grove Road, Middletown, CT 06457, hereby assign to: Zygo Corporation, a corporation of Delaware having a place of business at:

21 Laurel Brook Road
Middlefield, Connecticut 06455-0448
United States of America; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled INTERFEROMETRY METHOD FOR ELLIPSOMETRY, REFLECTOMETRY, AND SCATTEROMETRY MEASUREMENTS, INCLUDING CHARACTERIZATION OF THIN FILM STRUCTURES, filed September 9, 2003, and assigned U.S. Serial Number 10/659,060, and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Middletown Conn
this 30th day of September, 2003

L.S.

PETER J. DE GROOT
PETER J. DE GROOT

State of Connecticut :

: ss.

County of Middlesex :

Before me this 30th day of September, 2003, personally
appeared PETER J. DE GROOT known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Joyce A. DeGroot
Notary Public
My Commission Expires: 12/31/06

[Notary's Seal Here]