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SHEET

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103417651

To the Director of the U.S. Pa.

Attached original documents or copy thereof.

1. Name of conveying party(ies):
Alexander EPPLE

2. Name and address of receiving party(ies):
CARL ZEISS SMT AG
Rudolf-Eber-Strasse 2
73447 Oberkochen GERMANY

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: November 27, 2006

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

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

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

A. Patent Application No.(s)
11/578,100

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

6. Total number of applications and patents involved:
1

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

☒ Enclosed.

☐ Authorized to be charged to Deposit Account No. 19-4880.

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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.

George F. Lehnigk

Reg. No. 36,359

June 4, 2007

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

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06/06/2007 GFREY1 00000074 11/578100

02 FC:8021

40.00 OP

Assignment

Whereas, I/We, Alexander EPPLÉ of Aalen, GERMANY, hereinafter called assignor(s), have invented certain improvements in

CATADIOPTIC PROJECTION OBJECTIVE

and executed an application for Letters Patent of the United States of America therefor; and

Whereas, CARL ZEISS SMT AG, of Rudolf-Eber-Strasse 2, 73447 Oberkochen, GERMANY (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

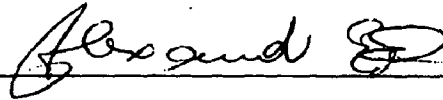
I/We, the above named assignor, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number __11/578,100 __, filed October 10, 2006) the application number and filing date of said application when known.

Date:

27 - NOV - 2006

s/Alexander EPPLÉ

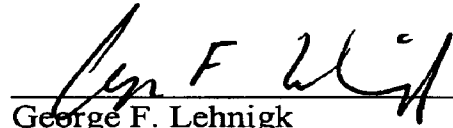


(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS Atty Docket No.: Q97217
U.S. Appln. No.: 11/578,100

the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to
said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



George F. Lehnigk
Registration No. 36,359

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

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CUSTOMER NUMBER

Date: June 4, 2007

German Language Declaration

Ich beanspruche hiermit ausländische Prioritätsvorrechte gemäß 35 U.S.C. 119(a)-(d) bzw. (f) oder gemäß 365(b) aller unten aufgeführten Auslandsanmeldungen für Patente oder Erfinder- bzw. Rechtsurkunden von Pflanzenzüchtern, oder gemäß 365(a) aller PCT internationalen Anmeldungen, welche wenigstens ein Land außer den Vereinigten Staaten von Amerika benennen, und habe nachstehend durch Ankreuzen sämtliche Auslandsanmeldungen für Patente bzw. Erfinder- oder Rechtsurkunden von Pflanzenzüchtern oder PCT internationale Anmeldungen angegeben, deren Anmeldetag dem der Anmeldung, für welche Priorität beansprucht wird, vorangeht.

Prior Foreign Application Number(s)
Anmeldenummern früherer Auslandsanmeldungen

(Application Number) (Anmeldenummer)	(Country) (Land)
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(Application Number) (Anmeldenummer)	(Country) (Land)
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Ich beanspruche hiermit nationale Priorität unter 35 U.S.C. 119(e) aller unten aufgeführten US-Provisional-Anmeldungen.

60/560,267 (Application Number) (Anmeldenummer)	April 8, 2004 (Filing Date) (Anmeldetag)
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Application Number) Anmeldenummer)	(Filing Date) (Anmeldetag)
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Ich beanspruche hiermit die mir unter 35 U.S.C. 120 zustehenden Vorteile aller unten aufgeführten US-Patentanmeldungen bzw. gemäß § 365(c) aller PCT internationalen Anmeldungen, welche die Vereinigten Staaten von Amerika benennen, und erkenne, insofern der Gegenstand jedes früheren Anspruchs der vorliegenden Patentanmeldung nicht in einer US-Patentanmeldung bzw. PCT internationalen Anmeldung in einer gemäß 35 U.S.C. 112, erster Absatz, vorgeschriebenen Art und Weise offenbart wurde, meine Pflicht zur Offenbarung jeglicher Informationen an, die für die Patentfähigkeit der vorliegenden Patentanmeldung in Einklang mit 37 C.F.R. 1.56 von Belang sind und die im Zeitraum zwischen dem Anmeldetag der früheren Patentanmeldung und dem nationalen oder dem (PCT) internationalen Anmeldetag bekannt geworden sind.

For U.S. or International Application Number(s)
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Ich erkläre hiermit, dass alle in der vorliegenden Erklärung von mir gemachten Angaben nach bestem Wissen und Gewissen der Wahrheit entsprechen und ferner dass ich diese Angaben in Kenntnis dessen gemacht habe, dass vorsätzlich falsche Angaben der dergleichen gemäß 18 U.S.C. 1001 mit Geldstrafe und/oder Gefängnis bestraft werden können, und dass derartige vorsätzlich falsche Angaben die Rechtswirksamkeit der vorliegenden Patentanmeldung oder eines aufgrund der Angaben erteilten Patents gefährden können.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application(s) having a filing date before that of the application on which priority is claimed.

Priority Claimed?
Priorität beansprucht?
Yes/Ja No/Nein

(Filing Date) (Anmeldetag)	☐	☐
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(Filing Date) (Anmeldetag)	☐	☐
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I hereby claim domestic priority under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

I hereby claim benefit under 35 U.S.C. 120 of any United States application(s) or 365(c) of any PCT international application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge my duty to disclose any information material to the patentability of this application as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Status: patented, pending, abandoned) (Status: patentiert, anhängig, aufgegeben)	
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(Status: patented, pending, abandoned) (Status: patentiert, anhängig, aufgegeben)	
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

German Language Declaration

VERTRETUNGSVOLLMACHT: Ich ernenne hiermit sämtliche unter der unten gezeigten Kundennummer des US-Patent- und Markenamts (United States Patent and Trademark Office, USPTO) aufgeführten Anwälte von SUGHRUE MION, PLLC, zu meinen Anwälten und ermächtige sie, diese Anmeldung vorzunehmen und alle hiermit verbundenen Geschäfte vor dem US-Patent- und Markenamt abzuwickeln. Ich bin mir bewusst, dass bestimmte unter der Kundennummer aufgeführte Anwälte von Zeit zu Zeit und im alleinigen Ermessen von Sughrue, Mion, PLLC, ausgetauscht werden können. Ich bitte ferner darum, dass sämtliche Korrespondenz im Zusammenhang mit der Anmeldung an die unter derselben Kundennummer des USPTO aufgeführte Anschrift gerichtet wird.

POWER OF ATTORNEY: I hereby appoint all attorneys of SUGHRUE MION, PLLC who are listed under the USPTO Customer Number shown below as my attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Sughrue Mion, PLLC, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R. §1.69(b):

The declaration and power of attorney is an accurate translation of the corresponding English language declaration and power of attorney.

Signature

Date

[Signature]
4/8/04

WASHINGTON OFFICE

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CUSTOMER NUMBER

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NAME OF SOLE OR FIRST INVENTOR:

Name des einzigen oder ersten Erfinders:

Given Name (first and middle [if any])
Vorname(n) [falls zutreffend]

Alexander

Family Name or Surname
Familien- oder Nachname

EPPLE

Inventor's signature
Unterschrift des Erfinders

[Signature]

Date
Datum

27 - NOV - 2006

Residence:

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Citizenship

Staatsangehörigkeit German

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PATENT

RECORDED: 06/04/2007

REEL: 019454 FRAME: 0657