

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Thomas D. Stephens

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) September 17, 1999

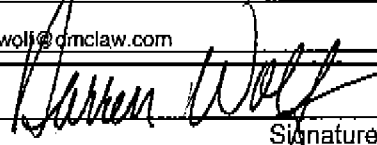
- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: Corvis CorporationInternal Address: Office of the General CounselStreet Address: 1122 Capital of Texas Highway SouthCity: AustinState: TexasCountry: United States of America Zip: 78746-6426Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

6,934,473

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Darren E. WolfInternal Address: Dickie, McCarney & Chilcote, P.C.Street Address: Two PPG Place, Suite 400City: PittsburghState: Pennsylvania Zip: 15222-5402Phone Number: 412-392-5681Fax Number: 412-392-5650Email Address: dewolf@dmclaw.com**9. Signature:**

Signature

Darren E. Wolf

Name of Person Signing

6. Total number of applications and patents involved: One (1)**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

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

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 50-3198Authorized User Name Darren E. Wolf

June 14, 2007

Date

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

4

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 603198 6934473

DOCKET NO. 990917TS

PATENT

ASSIGNMENT OF INVENTION

For: ☒ U.S. and/or ☒ Foreign Rights
 For: ☒ U.S. Application or ☐ U.S. Provisional Application
 For: ☐ U.S. Patent
 For: ☐ PCT Application
 By: ☒ Inventor(s) or ☐ Present Owner

In consideration of the payment by ASSIGNEE(S) to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR(S)

Thomas D. Stephens 7015 Albert Einstein Drive, PO Box 9400, Columbia, MD 21046- 9400 AUSTRALIA

name of Assignor	Address	Nationality
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name of Assignor	Address	Nationality
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name of Assignor	Address	Nationality
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Recorded on _____ Reel _____ Frame _____

hereby sells, assigns and transfers to

ASSIGNEE(S):

CORVIS Corporation 7015 Albert Einstein Drive Delaware Corporation
 PO Box 9400
 Columbia, MD 21046-9400

(name of ASSIGNEE)	Address	Nationality
--------------------	---------	-------------

and the successors, assigns and legal representatives of the ASSIGNEE(S)

- ☒ the entire right, title and interest for the United States and its territorial possessions
- ☐ an undivided _____ percent (_____ %) interest for the United States and its territorial possessions
- ☒ and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

Optical Systems Including Add Drop Devices and Methods

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith
- (b) ☐ U.S. patent application executed on _____
- (c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention

☐ Express mail label no.: _____ Mailed: _____

☐ To comply with 37 CFR 3.21 for recordal of this assignment, ASSIGNOR(S) signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

DOCKET NO. 990917TS

PATENT

(d) ☐ U.S. application no.: _____ filed on _____(e) ☐ International application no. _____ filed on _____
and amended on _____.(f) ☐ U.S. patent no. _____ issued _____☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.(g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE(S) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE(S) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, ASSIGNOR(S) have hereunto set hand and seal this:

WARNING: The date of signing must be the same as the date of execution of the declaration, if item (a) was checked above.

Thomas D. Stephens

Name of Assignor or
Name & Title of Person entitled to sign on
behalf of AssignorSignature of Assignor or
Person entitled to sign on behalf of Assignor9/17/99
DateName of Assignor or
Name & Title of Person entitled to sign on
behalf of AssignorSignature of Assignor or
Person entitled to sign on behalf of Assignor

Date

Name of Assignor or
Name & Title of Person entitled to sign on
behalf of AssignorSignature of Assignor or
Person entitled to sign on behalf of Assignor

Date

Place of signing of assignment

City/County : Columbia/Howard

State : Maryland

Country : USA

Before me this 17th day of September, 1999 personally appeared Thomas D. Stephens, to me known to be the person(s) who ☒ is ☐ are described in and who executed the foregoing assignment instrument and acknowledged its contents of their own free will for the purpose therein expressed.

Notary Public or Consular Officer of the United States of America

NOTE: Notarization of this document is only prima facie evidence of execution, 35 USC 261.

My Commission Expires 03-12-03

Assignment of Invention—page 2 of 2

REEL: 019440 FRAME: 0799

FACSIMILE**Dickie McCamey***Integrity. Experience. Solutions.***PLEASE HAND DELIVER, AS SOON AS POSSIBLE, THE FOLLOWING FACSIMILE TRANSMISSION TO:**

NAME:	Assignment Fax Number	DATE:	June 15, 2007
COMPANY:	U.S. Patent and Trademark Office	PHONE NO.:	
FAX NO.:	571-273-0140	RE:	Assignment Recordation for U.S. Patent Numbers 6,934,473
FILE NO.:	0283171	FROM:	Darren E. Wolf
CLIENT NO.:	0051764	TOTAL NUMBER OF PAGES (including cover sheet):	5

MESSAGE: Assignment Recordation**Patent Numbers: 6,934,473****CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that the following papers and their attachments are being transmitted by facsimile to the United States Patent and Trademark Office at the fax number and on the date indicated above.

1. Recordation Form Coversheet (2 copies);
2. Two (2) pages of Assignment documents.

Signature: _____

Name: Cris Lyker**IF YOU HAVE ANY PROBLEMS RECEIVING THIS TRANSMISSION,****PLEASE CONTACT: Darren E. Wolf PHONE NO.: 412-392-5681 FAX NO.: 412-392-5650**

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

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☐ Other _____

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Name: Corvis Corporation

Internal Address: Office of the General Counsel

Street Address: 1122 Capital of Texas Highway South

City: Austin

State: Texas

Country: United States of America Zip: 78746-8426

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

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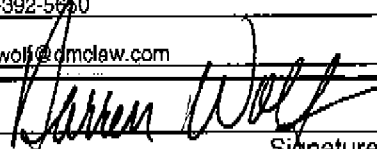
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a. Credit Card Last 4 Numbers _____
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b. Deposit Account Number 50-3198

Authorized User Name Darren E. Wolf

9. Signature:



Signature

June 14, 2007

Date

Darren E. Wolf

Name of Person Signing

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