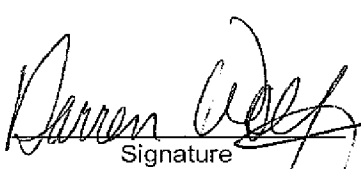


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Jonathan L. Weston-Dawkes Stefano Baroni Marian Trnkus Lotfi M. Benmohamed Jean-Luc Ronarc'h Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>Corvis Corporation</u> Internal Address: _____ Street Address: <u>7015 Albert Einstein Drive</u> City: <u>Columbia</u> State: <u>MD</u> Zip: <u>21046</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>9/16/03, 9/24/03, 9/16/03, 9/16/03, 9/12/03</u>			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) <u>10/454,438</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Corvis Corporation</u> Internal Address: <u>Darren E. Wolf</u> Street Address: <u>7015 Albert Einstein Drive</u> <u>P.O. Box 9400</u> City: <u>Columbia</u> State: <u>MD</u> Zip: <u>21046-9400</u>			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>500477</u>		
DO NOT USE THIS SPACE					
9. Signature. Darren E. Wolf  September 26, 2003 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: <u>6</u>					

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

CH \$40.00 500477 10454438

700045849

PATENT
REEL: 014010 FRAME: 0674

DOCKET NO. 020604

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)

Jonathan L. Weston-Dawkes	7015 Albert Einstein Drive, Columbia, MD 21046-9400	U.S.
Name of Assignor	Address	Nationality
Stefano Baroni	6677 Hillandale Road, Chevy Chase, MD, 20815	Italian
Name of Assignor	Address	Nationality
Marian Trnkus	7015 Albert Einstein Drive, Columbia, MD 21046-9400	U.S.
Name of Assignor	Address	Nationality
^{LB} _{4/16/03} Lotfi M. Benmohamed	7015 Albert Einstein Drive, Columbia, MD 21046-9400	Tunisian
Name of Assignor	Address	Nationality
Jean-Luc Ronarc'h	26366 West Plata Lane, Calabasas, CA 91302	French
Name of Assignor	Address	Nationality

Recorded on _____ Reel _____ Frame _____

hereby sells, assigns and transfers to

ASSIGNEE(S):

Corvis Corporation	7015 Albert Einstein Drive, P.O. Box 9400, Columbia, MD 21046-9400	Delaware Corporation
(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 Transmission Systems, 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 _____

DOCKET NO. 020604

PATENT

- (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.
- (d) ☒ U.S. application no.: 10/454,438 filed on 06/04/2003
- (e) ☐ International application no. _____ filed 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 any 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.

Jonathan L. Weston-Dawkes

Name of Assignor or

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

[Signature]

Signature of Assignor or

Person entitled to sign on behalf of Assignor

9-16-03

Date

Place of signing of assignment

City/County : Columbia / Howard County

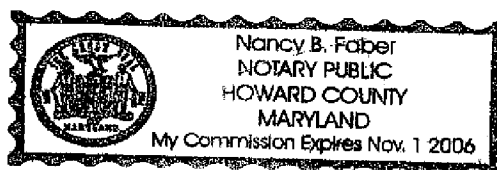
State : Maryland

Country : United States of America

Before me this 16th day of September, 2003 personally appeared Jonathan L. Weston-Dawkes, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

Nancy B. Faber

Notary Public or Consular Officer of the United States of America



DOCKET NO. 020604

PATENT

Stefano Baroni

Name of Assignor or

Name & Title of Person entitled to sign on behalf
of AssignorStefano Baroni
Signature of Assignor or

Person entitled to sign on behalf of Assignor

8/24/03
Date

Place of signing of assignment

City/County : Montgomery CountyState : MarylandCountry : United States of America

Before me this 24th day of September, 2003 personally appeared Stefano Baroni, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

Colleen Burke
Notary Public or Consular Officer of the United States of America

My commission
expires 6/9/07

Marian Trnkus

Name of Assignor or

Name & Title of Person entitled to sign on behalf
of AssignorMarian Trnkus
Signature of Assignor or

Person entitled to sign on behalf of Assignor

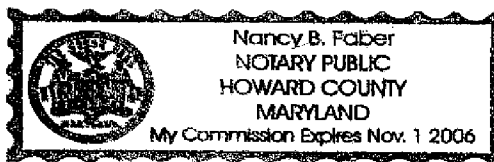
9-16-03
Date

Place of signing of assignment

City/County : Columbia / Howard CountyState : MarylandCountry : United States of America

Before me this 16th day of September, 2003 personally appeared Marian Trnkus, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

Nancy B. Faber
Notary Public or Consular Officer of the United States of America



DOCKET NO. 020604

PATENT

LB
9/16/03
Lofti

Lofti M. Benmohamed

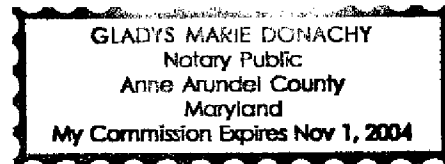
Name of Assignor or
Name & Title of Person entitled to sign on behalf
of AssignorSignature of Assignor or
Person entitled to sign on behalf of Assignor9/16/03
Date

Place of signing of assignment

City/County : Columbia / Howard County
State : Maryland
Country : United States of America

Before me this 16 day of September, 2003 personally appeared **Lofti M. Benmohamed**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

Gladys Marie Donachy
Notary Public or Consular Officer of the United States of America



Jean-Luc Ronarc'h

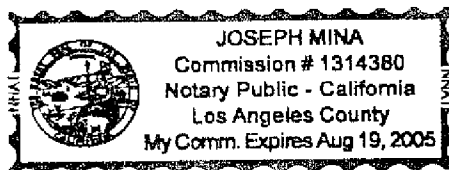
Name of Assignor or
Name & Title of Person entitled to sign on behalf
of AssignorSignature of Assignor or
Person entitled to sign on behalf of Assignor09-12-03
Date

Place of signing of assignment

City/County : CALABASAS / Los Angeles
State : CA
Country : United States of America

Before me this 12 day of Sept, 2003 personally appeared **Jean-Luc Ronarc'h**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged its contents of his/her own free will for the purpose therein expressed.

Joseph H. Mina
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.