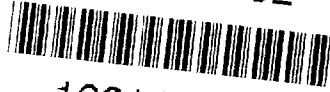


07-09-2002



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1. Name of conveying party(ies):

David F. Smith

06/25/02

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: 06/25/2002

2. Name and address of receiving party(ies)

Name: Corvis Corporation

Internal Address: ATTN: Intellectual Property Department

Street Address: 7015 Albert Einstein Dr., P.O. Box 9400

City: Columbia State: MD Zip: 21046-9400

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)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Corvis Corporation

Internal Address: ATTN: Intellectual Property Department

Street Address: 7015 Albert Einstein Dr., P.O. Box 9400

City: Columbia State: MD Zip: 21046-9400

6. Total number of applications and patents involved: 1

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

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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.

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PATENT REEL: 013050 FRAME: 0646

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)

David F. Smith	7015 Albert Einstein Drive, Columbia, MD 21046-9400	GB
Name of Assignor	Address	Nationality

Recorded on _____ **Reel** _____ **Frame** _____

hereby sells, assigns and transfers to

ASSIGNEE(S):

CORVIS Corporation	7015 Albert Einstein Drive	Delaware Corporation
	Columbia, Maryland 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 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 _
- (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.: 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.

David F. Smith

Name of Assignor or

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

David F. Smith

Signature of Assignor or Person entitled to sign on behalf of Assignor

6/25/02

Date

Place of signing of assignment

City/County :Columbia/Howard

State :Maryland

Country :United States of America

Before me this 25th day of June, 2002 personally appeared David F. Smith, 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.

Linda L. Burton
Notary Public or Consular Officer of the United States of America

