

08-25-1999



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101127270

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Name (line 1)

CORVIS CORPORATION

Name (line 2)

Address (line 1)

7015 ALBERT EINSTEIN DRIVE

Address (line 2)

Address (line 3)

COLUMBIA

MARYLAND

21046-9400

City

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PATENT  
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**Correspondent Name and Address**

Area Code and Telephone Number 443-259-4150

Name MICHAEL C. ANTONI

Address (line 1) CORVIS CORPORATION - IP DEPARTMENT

Address (line 2) 7015 ALBERT EINSTEIN DRIVE

Address (line 3) P.O. BOX 9400

Address (line 4) COLUMBIA, MD 21046-9400

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# 2

**Application Number(s) or Patent Number(s)**

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

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**Patent Number(s)**


If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
08 17 1999

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
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PCT		PCT		PCT	
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**Number of Properties**

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# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

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**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. Charges to deposit account are authorized, as indicated herein.

MICHAEL C. ANTONI  
Name of Person Signing

Michael C. Antoni  
Signature

8/19/99  
Date

**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)**

Nabil M. Badr 7015 Albert Einstein Drive, PO Box 9400, Columbia, MD 21046- 9400 Lebanese

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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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
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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 Communication Network and Protection 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.

Nabil M. Badr

Name of Assignor or

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

*N. Badr*

Signature of Assignor or

Person entitled to sign on behalf of Assignor

*8/17/1999*

Date

Name of Assignor or

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

Signature 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 Assignor

Signature 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 17<sup>th</sup> day of August, 1999 personally appeared **Nabil Badr**, 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.

*Anna M. Bell*

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 March 12, 2003*

Assignment of Invention—page 2 of 2