

12-15-1999



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THOMAS J. COLLEN

Execution Date
Month Day Year

11 16 1999

Name (line 2)

Second Party

Name (line 1)

TIMOTHY E. HAMMON

Execution Date
Month Day Year

11 16 1999

Name (line 2)

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Name (line 1)

ACME GRATING VENTURES, LLC

Name (line 2)

Address (line 1)

7015 ALBERT EINSTEIN DRIVE

Address (line 2)

P.O. Box 9400

Address (line 3)

COLUMBIA

MARYLAND

21046-9900

City

State/Country

Zip Code

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Area Code and Telephone Number 443-259-4150

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Address (line 3) P. O. BOX 9400

Address (line 4) COLUMBIA, MD 21046-9400

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Patent Application Number(s)

Patent Number(s)

09/276, 15

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

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Name (line 1) JOHN M. STUCKHAUSEN

Execution Date
Month Day Year

11 16 1994

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)

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 J. Cullen	Columbia, MD	U.K.
name of Assignor	Address	Nationality
Timothy E. Hammon	Silver Spring, MD	U.S.A.
name of Assignor	Address	Nationality
John M. Stockhausen	Arnold, MD	U.S.A.
name of Assignor	Address	Nationality

Recorded on _____ Reel _____ Frame _____

hereby sells, assigns and transfers to

ASSIGNEE(S):

ACME Grating Ventures, LLC	7015 Albert Einstein Drive PO Box 9400 Columbia, MD 21046-9400	Delaware Limited Liability Company
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 and Apparatuses including Bragg Gratings and Methods of Making

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. 09/276,015 filed on March 25, 1999

Assignment of Invention—page 1 of ~~8~~ 2


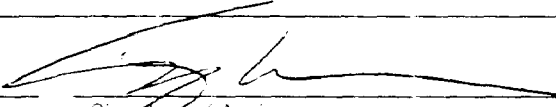
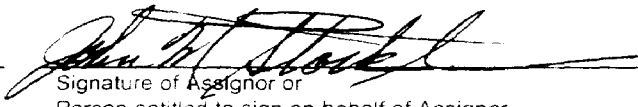
- (e) ☐ International application no. _____ filed on _____ and amended on _____.
- (f) ☐ U.S. patent no. _____ issued _____.
- ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
- (g) ☒ and any legal equivalent thereof in a foreign 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:

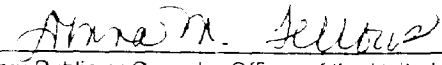
WARNING: The date of signing must be the same as the date of execution of the declaration, if item (a) was checked above.

Thomas J. Cullen		11-16-99
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
Timothy E. Hammon		11-16-99
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
John M. Stockhausen		11-16-99
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 Baltimore/Howard
State Maryland
Country USA

Before me this 16th day of November, 1999, personally appeared Thomas J. Cullen, Timothy E. Hammon, and John M. Stockhausen, 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. Not Commission Expires 3/1/00

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