

02-22-2002

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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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):  
Markus P. Hehlen  
William K. Bischel *2-11-02*

2. Name and address of receiving party(ies)  
Name: Gemfire Corporation  
Internal Address: \_\_\_\_\_

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Street Address: 2471 East Bayshore Road  
City: Palo Alto State: CA Zip: 94303

Execution Date: 02/06/2002

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

4. Application number(s) or patent number(s): *10,073734*  
If this document is being filed together with a new application, the execution date of the application is: 02/06/2002

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: Charles B. Katz  
Internal Address: Gemfire Corporation

Street Address: 2471 East Bayshore Road

City: Palo Alto State: CA Zip: 94303

6. Total number of applications and patents involved:

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

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_

02/19/2002 MLAKEWI 00000006 10073754

02 FC:341 40.00 GP

DO NOT USE THIS SPACE

9. Signature.

Charles B. Katz, Reg. No. 36,564  
Name of Person Signing

*Charles B. Katz*  
Signature

Feb. 11, 2002  
Date

Total number of pages including cover sheet, attachments, and documents:  5

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

1017 U.S. PTO  
10/073754  
02/11/02

**JOINT TO CORPORATE ASSIGNMENT FOR SINGLE INVENTOR**

INVENTOR: William K. Bischel

WHEREAS, the undersigned, William K. Bischel, a resident of Menlo Park, California (hereinafter "Inventor"), has invented or co-invented certain new and useful improvements in:

DOPED FIBER AMPLIFIER UTILIZING INTEGRATED  
CIRCULATOR ARRAY

and has executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

X On the Date of Execution of Declaration for Patent Application set forth below adjacent to my signature;

WHEREAS Gemfire Corporation (hereinafter "Assignee"), a corporation of the State of California, having a place of business at 2741 E. Bayshore Road, #600, Palo Alto, California, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest which said inventor has (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of invention or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of invention or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional

applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, said Inventor's heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that said Inventor has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee.

Date of Execution of Declaration for Patent Application: 2/6/02

William K. Bischel  
William K. Bischel

State of California  
County of Santa Clara

On Feb 6, 2002 before me, Maureen I. Stidger, Notary  
(name and title of officer)

personally appeared William K. Bischel, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal,

Signature: Maureen I. Stidger



**JOINT TO CORPORATE ASSIGNMENT FOR SINGLE INVENTOR**

INVENTOR: Markus P. Hehlen

WHEREAS, the undersigned, Markus P. Hehlen, a resident of Los Gatos, California (hereinafter "Inventor"), has invented or co-invented certain new and useful improvements in:

DOPED FIBER AMPLIFIER UTILIZING INTEGRATED  
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applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

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Markus P. Hehlen  
Markus P. Hehlen

State of California  
County of Santa Clara

On Feb. 6, 2002 before me, Maureen I. Stidger, Notary  
(name and title of officer)

personally appeared Markus P. Hehlen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal,

Signature: Maureen I. Stidger



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INVENTOR: Markus P. Hehlen

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Markus P. Hehlen

State of California  
County of Santa Clara

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(name and title of officer)

personally appeared Markus P. Hehlen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal,

Signature: Maureen I. Stidger



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