

10-30-2000

Case Name: Cowle 1-15-3-1

PA



RET

9-1-00

101492737

To the Honorable Commissioner of Patents and Trademarks: Please record the attached documents or copy thereof.

(1) Conveying Party(ies): Gregory J. Cowle
Douglas W. Hall
Thomas W. McNamara
Chia-Chi Wang

9-1-2000

Title: OPTICAL AMPLIFIER WITH POWER DEPENDENT FEEDBACK

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

(2) Receiving Party: Corning Incorporated
Patent Dept.; SP-TI-03-1
Corning, NY 14831

(3) Nature of conveyance: Assignment executed: 11/23/99, 12/16/99, 11/17/99, and 11/17/99

(4) Application number(s) and/or patent number(s) against which this assignment is to be recorded:

A. Patent Application No.(s): 09/451,314 B. Patent No.(s):
Filing date: November 30, 1999 Filing date:

If this document is being filed together with a new application, this assignment is also to be recorded against said application, executed on and

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

Name: Svetlana Short
Reg. No. 34-432
Corning Incorporated
Patent Department
SP-TI-03-1
Corning, NY 14831
Phone No.: (607) 974-0412

(6) Total Number of applications and/or patents involved: one

(7) Total Fee = Unknown

- Enclosed (Check No. _____)
- Included with filing fee. Check No. _____.
- Authorization given by Corning Incorporated to charge deposit account number 03-3325

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.

Svetlana Short

Date

Attorney Docket No.: Cowle 1-15-3-1

ASSIGNMENT

FOR VALUE RECEIVED, I, as a below name inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **OPTICAL AMPLIFIER WITH POWER DEPENDENT FEEDBACK**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE 11/23/99

DATE 12/1/99

DATE 11/1/99

DATE 11/1/99

respectively, patent application Serial No. 60/114,996 filed by us in the United States on January 6, 1999, and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

PATENT
REEL: 010581 FRAME: 0952

PATENT
REEL: 011065 FRAME: 0027

Signed at Corning, NY, this

11/23/99 1999

Gregory J. Cowle
Gregory J. Cowle

12/1/99 1999

Douglas W. Hall
Douglas W. Hall

11/17/99 1999

Thomas W. McNamara
Thomas W. McNamara

11/17/99 1999

Chiachi Wang
Chiachi Wang

State of New York)
ss.
County of Steuben)

On the 23rd day of November 1999, before me personally came **Gregory J. Cowle** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Christo F. Walter
Notary Public

State of New York)
ss.
County of Steuben)

Notary Public, State of New York
Qualified in Steuben County No. 15-26322
My Commission Expires

On the 16th day of December 1999, before me personally came **Douglas W. Hall** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Michelle N. O'Dell
Notary Public

DEC 17 1999

State of New York)
ss.
County of Steuben)

On the 17th day of November 1999, before me personally came **Thomas W. McNamara** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Michelle N. O'Dell
Notary Public

5/31/2000

State of New York)
ss.
County of Steuben)

On the 1st day of November 1999, before me personally came **Chiachi Wang** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Deanna M. Kowal
Notary Public

5/31/2000

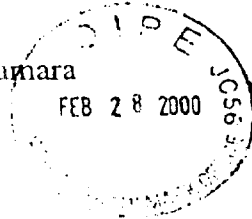
DEANNA M. KOWAL
Notary Public in the State of New York
Steuben County
Reg. No. 01KO506628
Commission Expires 9/30/2002

PATENT
REEL: 010581 FRAME: 0953

PATENT
REEL: 011065 FRAME: 0028

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Gregory J. Cowle
Douglas W. Hall
Thomas W. McNamara
Chiachi Wang



COMBINED
CERTIFICATE
UNDER 37 CFR 3.73(b)

and

POWER OF ATTORNEY

Serial No.: 60/114,996
Filed: January 6, 1999
For: OPTICAL AMPLIFIER WITH POWER
DEPENDENT FEEDBACK

Assistant Commissioner for Patents
Washington, DC 20231

CERTIFICATE UNDER 37 CFR 3.73(b)

CORNING INCORPORATED, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. A true copy of the unrecorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

POWER OF ATTORNEY BY ASSIGNEE

CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **OPTICAL AMPLIFIER WITH POWER DEPENDENT FEEDBACK** and executed by:

INVENTOR NAME		DATE
Gregory J. Cowle	on	11/23/99
Douglas W. Hall	on	12/10/99
Thomas W. McNamara	on	11/17/99
Chiachi Wang	on	11/17/99

appoints the following agents/attorneys to prosecute that application and to transact all business in the Patent and Trademark Office connected therewith:

Attorney/Agent Name	Registration Number
Mark W. Lauroesch	35,583
Robert L. Carlson	35,473
William J. Chervenak	38,407
Daniel P. Malley	43,443
Philip G. Alden	32,189
Juliana Agon	33,468
Mary Y. Redman	29,881
Eric M. Smith	43,134
Timothy R. Krogh	40,688
Svetlana Z. Short	34,432
Randall S. Wayland	36,303

Direct all telephone calls and correspondence to:

Svetlana Short
Corning Incorporated
SP-TI-03
Corning, NY 14831
(607) 974-0412

CORNING INCORPORATED

Date: 12/16/99

By *Alfred L. Michaelson*
Alfred L. Michaelson
Sr. Vice-President and
General Patent Counsel

Attorney Docket No.: Cowe 1-15-3-1

ASSIGNMENT

FOR VALUE RECEIVED, I, as a below name inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **OPTICAL AMPLIFIER WITH POWER DEPENDENT FEEDBACK**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE 11/23/99

DATE 12/16/99

DATE 11/17/99

DATE 11/17/99

respectively, patent application Serial No. 60/114,996 filed by us in the United States on January 6, 1999, and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefor.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

PATENT
REEL: 010581 FRAME: 0956

PATENT
REEL: 011065 FRAME: 0031

Signed at Corning, NY, this

11/23/99

1999

Gregory J. Cowle
Gregory J. Cowle

12/16/99

1999

Douglas W. Hall
Douglas W. Hall

11/17/99

1999

Thomas W. McNamara
Thomas W. McNamara

11/17/99

1999

Chiachi Wang
Chiachi Wang

State of New York)
: ss.
County of Steuben)

On the 23rd day of November 1999, before me personally came **Gregory J. Cowle** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Christa L. Waters
Notary Public

Christa L. Waters
Notary Public, State of New York
Qualified in Steuben County No. 45-0322
My Commission Expires

State of New York)
: ss.
County of Steuben)

On the 16th day of December 1999, before me personally came **Douglas W. Hall** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Michelle N. O'Dell
Notary Public

Michelle N. O'Dell
Notary Public, State of New York
Qualified in Steuben County No. 45-0322
My Commission Expires 5/31/2000

State of New York)
: ss.
County of Steuben)

On the 17th day of November 1999, before me personally came **Thomas W. McNamara** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Michelle N. O'Dell
Notary Public

Michelle N. O'Dell
Notary Public, State of New York
Qualified in Steuben County No. 45-0322
My Commission Expires 5/31/2000

State of New York)
: ss.
County of Steuben)

On the 17th day of November 1999, before me personally came **Chiachi Wang** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Deanna M. Kowal
Notary Public

DEANNA M. KOWAL
Notary Public in the State of New York
Steuben County
Reg. No. 01K0506626
Commission Expires 9/30/2000

RECORDED: 02/28/2000

PATENT
REEL: 010581 FRAME: 0957

RECORDED: 09/01/2000

PATENT
REEL: 011065 FRAME: 0032