

06-16-2000



LETTER

5.25.00

101382454

Attorney Docket No.: 81410-249068

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

JOHN F. STOCKMAN
DAVID M. MOTLEY
RICHARD A. KOLBUSH
ROBERT KRONINGER

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

2. Name and address of receiving party(ies):

PAIRGAIN TECHNOLOGIES, INC.
14402 Franklin Avenue, Tustin, CA 92780

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Dates May 16, 17 and 18, 2000

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: May 16, 17 and 18, 2000

A. Patent Application No.(s)

B. Patent No.(s)

09579077

Additional numbers attached? ☐ Yes ☒ No

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

Roger R. Wise, Esq.
PILLSBURY MADISON & SUTRO LLP
725 South Figueroa Street, Suite 1200
Los Angeles, CA 90017-5443

6. Total number of applications and patents involved: [1]

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

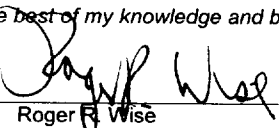
16-1805

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and the attached is the original document.


Roger R. Wise

Date: May 25, 2000

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

06/15/2000 DNGUYEN 00000295 09579077

1 FC:581

40.00 OP

ASSIGNMENT

Attorney Docket No. 81410-249968

(1-8) *Insert Name(s) of
Inventor(s)*

(1) JOHN F. STOCKMAN (5) _____
(2) DAVE M. MOTLEY (6) _____
(3) RICHARD A. KOLBUSH (7) _____
(4) ROBERT KRONINGER (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) *Insert name of
Assignee*

(9) PAIRGAIN TECHNOLOGIES, INC.

(10) *Insert state of
Incorporation of
Assignee*

(10) California

(11) *Insert address of
Assignee*

(11) of 14402 Franklin Avenue, Tustin, CA 92780
(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) *Insert identification
of Invention, such as
Title, Case Number or
Foreign Application
Number*

(12) PCM UPSTREAM AND DOWNSTREAM SYSTEM FOR
UNIVERSAL DIGITAL LOOP CARRIER
(Case No. 81410-249968)
for which the undersigned has (have) executed an application
for patent in the United States of America

(13) *Insert Date of
Signing of Application*

(13) on May 18, 2000

1) The undersigned agree(s) to execute all papers necessary in connection with an application in each of the countries of Schedule A and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

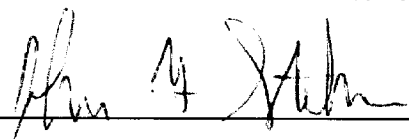
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not execute, any agreement in conflict herewith.

6) The undersigned hereby appoints

Paul N. Kokulis, Reg. No. 16,773; Raymond F. Lippitt, Reg. No. 17,519; G. Lloyd Knight, Reg. No. 17,698; George M. Sirilla, Reg. No. 18,221; Carl G. Love, Reg. No. 18,781; Kevin E. Joyce, Reg. No. 20,508; Edgar H. Martin, Reg. No. 20,534; Jay M. Finkelstein, Reg. No. 21,082; G. Paul Edgell, Reg. No. 24,238; Donald J. Bird, Reg. No. 25,323; Peter W. Gowdey, Reg. No. 25,872; Richard H. Zaitlen, Reg. No. 27,248; Glenn J. Perry, Reg. No. 28,458; Dale S. Lazar, Reg. No. 28,872; Kendrew H. Colton, Reg. No. 30,368; Mark G. Paulson, Reg. No. 30,793; Paul E. White, Jr., Reg. No. 31,097; Roger R. Wise, Reg. No. 31,204; Stephen C. Glazier, Reg. No. 31,361; Paul F. McQuade, Reg. No. 31,542; David A. Jakopin, Reg. No. 32,995; Timothy J. Klima, Reg. No. 34,852; Lynn E. Eccleston, Reg. No. 35,861; Paul G. Nagy, Reg. No. 37,896; Steven W. Smyrski, Reg. No. 38,312; Eric S. Chen, Reg. No. 43,542; Vivian S. Shin, Reg. No. 43,919

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 6/19/00 Signature of Inventor 

Date: _____ Signature of Inventor _____

Date: _____ Signature of Inventor _____

Date: _____ Signature of Inventor _____

ASSIGNMENT

Attorney Docket No. 81410-249968

(1-8) Insert Name(s) of
Inventor(s)

(1) JOHN F. STOCKMAN (5) _____
(2) ~~DAVE M.~~ ^{DAVID} MOTLEY (6) _____
(3) RICHARD A. KOLBUSH (7) _____
(4) ROBERT KRONINGER (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of
Assignee

(9) PAIRGAIN TECHNOLOGIES, INC.

(10) Insert state of
Incorporation of
Assignee

(10) California

(11) Insert address of
Assignee

(11) of 14402 Franklin Avenue, Tustin, CA 92780
(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) Insert identification
of Invention, such as
Title, Case Number or
Foreign Application
Number

(12) PCM UPSTREAM AND DOWNSTREAM SYSTEM FOR
UNIVERSAL DIGITAL LOOP CARRIER
(Case No. 81410-249968)
for which the undersigned has (have) executed an application
for patent in the United States of America

(13) Insert Date of
Signing of Application

(13) on 5-16-00

1) The undersigned agree(s) to execute all papers necessary in connection with an application in each of the countries of Schedule A and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not execute, any agreement in conflict herewith.

6) The undersigned hereby appoints

Paul N. Kokulis, Reg. No. 16,773; Raymond F. Lippitt, Reg. No. 17,519; G. Lloyd Knight, Reg. No. 17,698; George M. Sirilla, Reg. No. 18,221; Carl G. Love, Reg. No. 18,781; Kevin E. Joyce, Reg. No. 20,508; Edgar H. Martin, Reg. No. 20,534; Jay M. Finkelstein, Reg. No. 21,082; G. Paul Edgell, Reg. No. 24,238; Donald J. Bird, Reg. No. 25,323; Peter W. Gowdey, Reg. No. 25,872; Richard H. Zaitlen, Reg. No. 27,248; Glenn J. Perry, Reg. No. 28,458; Dale S. Lazar, Reg. No. 28,872; Kendrew H. Colton, Reg. No. 30,368; Mark G. Paulson, Reg. No. 30,793; Paul E. White, Jr., Reg. No. 31,097; Roger R. Wise, Reg. No. 31,204; Stephen C. Glazier, Reg. No. 31,361; Paul F. McQuade, Reg. No. 31,542; David A. Jakopin, Reg. No. 32,995; Timothy J. Klima, Reg. No. 34,852; Lynn E. Eccleston, Reg. No. 35,861; Paul G. Nagy, Reg. No. 37,896; Steven W. Smyrski, Reg. No. 38,312; Eric S. Chen, Reg. No. 43,542; Vivian S. Shin, Reg. No. 43,919

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: _____ Signature of Inventor _____

Date: 5-16-00 Signature of Inventor Walter M. Matley

Date: _____ Signature of Inventor _____

Date: _____ Signature of Inventor _____

ASSIGNMENT

Attorney Docket No. 81410-249968

(1-8) *Insert Name(s) of
Inventor(s)*

(1) JOHN F. STOCKMAN (5) _____
(2) DAVE M. MOTLEY (6) _____
(3) RICHARD A. KOLBUSH (7) _____
(4) ROBERT KRONINGER (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) *Insert name of
Assignee*

(9) PAIRGAIN TECHNOLOGIES, INC.

(10) *Insert state of
Incorporation of
Assignee*

(10) California

(11) *Insert address of
Assignee*

(11) of 14402 Franklin Avenue, Tustin, CA 92780
(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) *Insert identification
of Invention, such as
Title, Case Number or
Foreign Application
Number*

(12) PCM UPSTREAM AND DOWNSTREAM SYSTEM FOR
UNIVERSAL DIGITAL LOOP CARRIER
(Case No. 81410-249968)
for which the undersigned has (have) executed an application
for patent in the United States of America

(13) *Insert Date of
Signing of Application*

(13) on 5/17/00

1) The undersigned agree(s) to execute all papers necessary in connection with an application in each of the countries of Schedule A and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not execute, any agreement in conflict herewith.

6) The undersigned hereby appoints

Paul N. Kokulis, Reg. No. 16,773; Raymond F. Lippitt, Reg. No. 17,519; G. Lloyd Knight, Reg. No. 17,698; George M. Sirilla, Reg. No. 18,221; Carl G. Love, Reg. No. 18,781; Kevin E. Joyce, Reg. No. 20,508; Edgar H. Martin, Reg. No. 20,534; Jay M. Finkelstein, Reg. No. 21,082; G. Paul Edgell, Reg. No. 24,238; Donald J. Bird, Reg. No. 25,323; Peter W. Gowdey, Reg. No. 25,872; Richard H. Zaitlen, Reg. No. 27,248; Glenn J. Perry, Reg. No. 28,458; Dale S. Lazar, Reg. No. 28,872; Kendrew H. Colton, Reg. No. 30,368; Mark G. Paulson, Reg. No. 30,793; Paul E. White, Jr., Reg. No. 31,097; Roger R. Wise, Reg. No. 31,204; Stephen C. Glazier, Reg. No. 31,361; Paul F. McQuade, Reg. No. 31,542; David A. Jakopin, Reg. No. 32,995; Timothy J. Klima, Reg. No. 34,852; Lynn E. Eccleston, Reg. No. 35,861; Paul G. Nagy, Reg. No. 37,896; Steven W. Smyrski, Reg. No. 38,312; Eric S. Chen, Reg. No. 43,542; Vivian S. Shin, Reg. No. 43,919

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: _____ Signature of Inventor _____

Date: _____ Signature of Inventor _____

Date: 5/17/00 Signature of Inventor Richard A. White

Date: 5/17/00 Signature of Inventor Richard A. White