

12-19-2001



101919311

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

## 1. Name of conveying party(ies):

Daniel H. Chang

Talal Azfar

Harold Fetterman

Joseph Michael

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: December 4, 2001

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

Name: Pacific Wave Industries, Inc.Internal Address: 10390 Santa Monica Blvd.,  
Suite 100Los Angeles, CA 90025Street Address: 10390 Santa Monica Blvd.,  
Suite 100City: Los Angeles State: CA Zip: 90025Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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: 12/4/2001

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: Benman & CollinsInternal Address: 2049 Century Park EastSuite 2740Los Angeles, CA 90067Street Address: 2049 Century Park EastSuite 2740City: Los Angeles State: CA Zip: 900676. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(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 information is true and correct and any attached copy is a true copy of the original document.*

William J. Benman

Name of Person Signing

W. J. Benman  
 Signature

12/05/01

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

## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
PW-2

Whereas, I, Daniel H. Chang of La Crescenta, CA, hereafter referred to as applicant, have invented certain new and useful improvements in ULTRA-HIGH SPEED, ACTIVE POLYMER-SILICA HYBRID, SINGLE CONTROL VOLTAGE MMI-BASED 1-BY-N PACKET SWITCH AND WG-BASED WDM PACKET ROUTER/TDM CONVERTER AND METHODS OF MAKING SAME

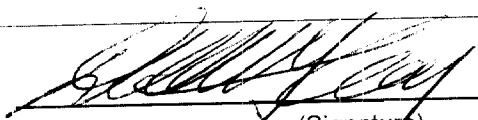
☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_ / \_\_\_\_\_.

☒ for which an application for a United States Patent was executed on 12/4/01, and

Whereas, PACIFIC WAVE INDUSTRIES, INC. of Los Angeles, CA herein referred to "assignee" whose mailing address is 10390 Santa Monica Blvd., Suite 100, Los Angeles CA 90025 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 4<sup>th</sup> day of December, 2001,  
at Los Angeles, California

  
(Signature)

State of \_\_\_\_\_) SS:

County of \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_  
and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_\_\_.

Seal

\_\_\_\_\_  
(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
PW-2

Whereas, I, Talal Azfar of Los Angeles, CA, hereafter referred to as applicant, have invented certain new and useful improvements in ULTRA-HIGH SPEED, ACTIVE POLYMER-SILICA HYBRID, SINGLE CONTROL VOLTAGE MMI-BASED 1-BY-N PACKET SWITCH AND WG-BASED WDM PACKET ROUTER/TDM CONVERTER AND METHODS OF MAKING SAME

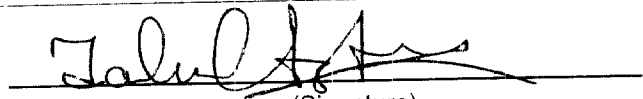
☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_ / \_\_\_\_\_.

☒ for which an application for a United States Patent was executed on 12/4/01, and

Whereas, PACIFIC WAVE INDUSTRIES, INC. of Los Angeles, CA herein referred to "assignee" whose mailing address is 10390 Santa Monica Blvd., Suite 100, Los Angeles CA 90025 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this Fourth day of December, 2001,  
at Los Angeles, California

  
(Signature)

State of \_\_\_\_\_) SS:

County of \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_  
and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_\_\_.

Seal

\_\_\_\_\_  
(Notary Public)

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**PATENT**  
**REEL: 012366 FRAME: 0551**

**ASSIGNMENT OF APPLICATION**Docket Number (Optional)  
PW-2

Whereas, I, Harold Fetterman of Santa Monica, CA, hereafter referred to as applicant, have invented certain new and useful improvements in ULTRA-HIGH SPEED, ACTIVE POLYMER-SILICA HYBRID, SINGLE CONTROL VOLTAGE MMI-BASED 1-BY-N PACKET SWITCH AND WG-BASED WDM PACKET ROUTER/TDM CONVERTER AND METHODS OF MAKING SAME

☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_/\_\_\_\_\_.

☒ for which an application for a United States Patent was executed on 12/4/01, and

Whereas, PACIFIC WAVE INDUSTRIES, INC. of Los Angeles, CA herein referred to "assignee" whose mailing address is 10390 Santa Monica Blvd., Suite 100, Los Angeles CA 90025 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this fourth day of December, 2001,  
at Los Angeles, California

Harold P. Fetterman  
(Signature)

State of \_\_\_\_\_) SS:  
County of \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_  
and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_\_\_.

Seal

(Notary Public)

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## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
PW-2

Whereas, I, Joseph Michael of Los Angeles, CA, hereafter referred to as applicant, have invented certain new and useful improvements in ULTRA-HIGH SPEED, ACTIVE POLYMER-SILICA HYBRID, SINGLE CONTROL VOLTAGE MMI-BASED 1-BY-N PACKET SWITCH AND WG-BASED WDM PACKET ROUTER/TDM CONVERTER AND METHODS OF MAKING SAME

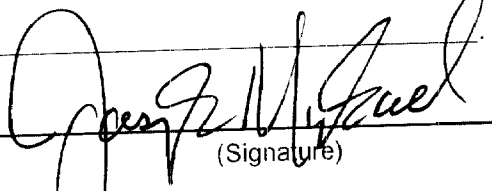
☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_/\_\_\_\_\_.

☒ for which an application for a United States Patent was executed on 12/4/01, and

Whereas, PACIFIC WAVE INDUSTRIES, INC. of Los Angeles, CA herein referred to "assignee" whose mailing address is 10390 Santa Monica Blvd., Suite 100, Los Angeles CA 90025 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 4<sup>th</sup> day of December, 20 01,  
at Los Angeles, California

  
(Signature)

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RECORDED: 12/05/2001

PATENT  
REEL: 012366 FRAME: 0553