

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4340379

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                      |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                          |
| <b>CONVEYING PARTY DATA</b>   |                                     |
| <b>Name</b>   | <b>Execution Date</b>               |
| CLARIPHY COMMUNICATIONS, INC.   | 03/23/2017                          |
| <b>RECEIVING PARTY DATA</b>   |                                     |
| <b>Name:</b>  | INPHI CORPORATION                   |
| <b>Street Address:</b>  | 2953 Bunker Hill Lane, Suite 300    |
| <b>City:</b>  | Santa Clara                         |
| <b>State/Country:</b>   | CALIFORNIA                          |
| <b>Postal Code:</b>   | 95054                               |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                     |
| <b>Property Type</b>  | <b>Number</b>                       |
| Patent Number:  | 9391715                             |
| <b>CORRESPONDENCE DATA</b>  |                                     |
| <b>Fax Number:</b>  | (425)348-3299                       |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                     |
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| <b>Email:</b>   | docketing@ampacc.com                |
| <b>Correspondent Name:</b>  | AMPACC LAW GROUP, PLLC              |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | A929FN-043600US                     |
| <b>NAME OF SUBMITTER:</b>   | STEVE Y. CHO                        |
| <b>SIGNATURE:</b>   | /Steve Y. Cho/                      |
| <b>DATE SIGNED:</b>   | 03/28/2017                          |
| <b>Total Attachments: 10</b>  |                                     |
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**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, CLARIPHY COMMUNICATIONS, INC., now CLARICE ACQUISITION CORPORATION of 2953 BUNKER HILL LANE SUITE 300, SANTA CLARA, CA 95054, by the name change indicated in Appendix I attached hereto and given effect on December 12, 2016, hereinafter referred to as "ASSIGNOR," is an assignee by assignment recorded in the U.S. Patent and Trademark Office of the inventions described and set forth in the Applications for United States Letters Patent and United States Letters Patent identified in Appendix II attached hereto;

WHEREAS, Richard T. Ogawa, CEO is a duly authorized representative of CLARICE ACQUISITION CORPORATION, having authority to sell, assign, and transfer to a third party the below-identified Applications for United States Letters Patent and United States Letters Patent in the Appendix attached hereto.

WHEREAS, INPHI CORPORATION, of 2953 BUNKER HILL LANE SUITE 300, SANTA CLARA, CA 95054 hereinafter referred to as "ASSIGNEE," is desirous of acquiring an entirety of ASSIGNOR'S interest in the said inventions and applications and in any U.S. Letters Patent which may be granted on the same;

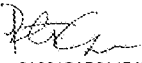
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign, and transfer unto the said Assignee, and Assignee's successors and assigns, 100% of their right, title, and interest in and to the said inventions, application, and U.S. Letters Patent including any corresponding foreign application, and in and to any Letters Patent which may hereafter be granted on the same in the United States and any corresponding foreign application, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed this Assignment on the date indicated.

Mar-23-2017 | 7:35 AM PDT

Date:

DocuSigned by:  
  
BA391CAD8A1749B

Name: Richard T. Ogawa  
Title: CEO

Appendix I

# Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"CLARICE ACQUISITION CORPORATION", A DELAWARE CORPORATION, WITH AND INTO "CLARIPHY COMMUNICATIONS, INC." UNDER THE NAME OF "CLARICE ACQUISITION CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE ON THE TWELFTH DAY OF DECEMBER, A.D. 2016, AT 12:23 O`CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



  
Jeffrey W. Bullock, Secretary of State

3567621 8100M  
SR# 20167023740

Authentication: 203491791  
Date: 12-12-16

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

**PATENT**  
**REEL: 041766 FRAME: 0486**

**CERTIFICATE OF MERGER  
FOR THE MERGER OF CLARICE ACQUISITION CORPORATION  
WITH AND INTO  
CLARIPHY COMMUNICATIONS, INC.**

Pursuant to Title 8, Section 251(c) of the  
General Corporation Law of the State of Delaware

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 12:23 PM 12/12/2016  
FILED 12:23 PM 12/12/2016  
SR 20167023740 - File Number 3567621

ClariPhy Communications, Inc., a Delaware corporation, does hereby certify to the following facts relating to the merger (the "**Merger**") of Clarice Acquisition Corporation, a Delaware corporation, with and into ClariPhy Communications, Inc.:

FIRST: The names of each of the constituent corporations to the Merger are as follows:

| Name                            | State of Formation or Incorporation |
|---------------------------------|-------------------------------------|
| ClariPhy Communications, Inc.   | Delaware                            |
| Clarice Acquisition Corporation | Delaware                            |

SECOND: An Agreement and Plan of Merger (the "**Merger Agreement**"), by and among Inphi Corporation, a Delaware corporation, ClariPhy Communications, Inc., Clarice Acquisition Corporation and Fortis Advisors LLC, a Delaware limited liability company, solely in its capacity as securityholders' agent, as amended from time to time, has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with Section 251(c) of the Delaware General Corporation Law.

THIRD: ClariPhy Communications, Inc. shall be the surviving corporation in the Merger. The name of the surviving corporation shall be Clarice Acquisition Corporation.

FOURTH: Upon the consummation of the Merger, the Certificate of Incorporation of the surviving corporation shall be restated in its entirety as set forth in Exhibit A hereto until thereafter amended in accordance with applicable law and such Certificate of Incorporation.

FIFTH: The executed Merger Agreement is on file at 2953 Bunker Hill Lane, Suite 300, Santa Clara, CA 95054, an office of the surviving corporation.

SIXTH: A copy of the executed Merger Agreement will be furnished by the surviving corporation, on request and without cost, to any stockholder of either constituent corporation.

SEVENTH: The Merger shall become effective at such time as this Certificate of Merger is duly filed and accepted by the Secretary of State of the State of Delaware.

**IN WITNESS WHEREOF**, the surviving corporation has caused this Certificate of Merger to be executed by its duly authorized officer as of December 12, 2016.

**CLARIPHY COMMUNICATIONS, INC.**

By: /s/ Richard Ogawa  
Title: General Counsel

**EXHIBIT A**

**Restated Certificate of Incorporation**

**RESTATED CERTIFICATE OF INCORPORATION**

**OF**

**CLARICE ACQUISITION CORPORATION**

**ARTICLE I**

The name of the corporation is Clarice Acquisition Corporation (the “**Company**”).

**ARTICLE II**

The registered agent and the address of the registered office in the State of Delaware are:

The Corporation Trust Company  
Corporation Trust Center  
1209 Orange Street  
Wilmington, DE 19801  
County of New Castle

**ARTICLE III**

The purpose of the Company is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of Delaware.

**ARTICLE IV**

The aggregate number of shares which the Company shall have authority to issue is one thousand shares (1,000) of capital stock, all of which shall be designated “Common Stock” and have a par value of \$0.0001 per share.

**ARTICLE V**

In furtherance of and not in limitation of the powers conferred by the laws of the State of Delaware, the Board of Directors of the Company is expressly authorized to make, amend or repeal Bylaws of the Company.

**ARTICLE VI**

The business and affairs of the Company shall be managed by or under the direction of the Board of Directors. Elections of directors need not be by written ballot unless otherwise provided in the Bylaws of the Company.

**ARTICLE VII**

(A) To the fullest extent permitted by the General Corporation Law of Delaware, as it exists or as may hereafter be amended, a director of the Company shall not be personally liable



to the Company or its stockholders for monetary damages for breach of fiduciary duty as a director.

(B) The Company is authorized to indemnify to the fullest extent permitted by law any person made or threatened to be made a party to an action or proceeding, whether criminal, civil, administrative or investigative, by reason of the fact that such person was a director or officer of the Company or any predecessor of the Company, or serves or served at any other enterprise as a director or officer at the request of the Company or any predecessor to the Company.

(C) Neither any amendment nor repeal of this Article VII, nor the adoption of any provision of the Company's Certificate of Incorporation inconsistent with this Article VII, shall eliminate or reduce the effect of this Article VII in respect of any matter occurring, or any action or proceeding accruing or arising or that, but for this Article VII, would accrue or arise, prior to such amendment, repeal or adoption of an inconsistent provision.

#### ARTICLE VIII

Unless the Company consents in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for (i) any derivative action or proceeding brought on behalf of the Company, (ii) any action asserting a claim of breach of a fiduciary duty owed by any director, officer or other employee of the Company to the Company or the Company's stockholders, (iii) any action asserting a claim arising pursuant to any provision of the General Corporation Law of Delaware, or (iv) any action asserting a claim governed by the internal affairs doctrine. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of the Company shall be deemed to have notice of and consented to the provisions of this Article VIII.

**APPENDIX II**

| <b>Title of Invention</b>   | <b>Patent Number</b> | <b>Issue Date</b> |
|---|----------------------|-------------------|
| TESTING OF TRANSMITTERS FOR COMMUNICATION LINKS BY SOFTWARE SIMULATION OF REFERENCE CHANNEL AND/OR REFERENCE RECEIVER | 7,643,752            | January 05, 2010  |
| TRANSMITTER FREQUENCY PEAKING FOR OPTICAL FIBER CHANNELS  | 7,853,149            | December 14, 2010 |
| TESTING OF RECEIVERS WITH SEPARATE LINEAR O/E MODULE AND HOST USED IN COMMUNICATION LINKS                             | 7,664,394            | February 16, 2010 |
| MULTI-CHANNEL EQUALIZATION TO COMPENSATE FOR IMPAIRMENTS INTRODUCED BY INTERLEAVED DEVICES                            | 7,778,320            | August 17, 2010   |
| ANALOG-TO-DIGITAL CONVERTER USING LOOKAHEAD PIPELINED ARCHITECTURE AND OPEN-LOOP RESIDUE AMPLIFIERS                   | 7,576,676            | August 18, 2009   |
| HIGH-SPEED RECEIVER ARCHITECTURE  | 7,852,913            | December 14, 2010 |
| Receivers Based on Closed-Form Parametric Estimates of the Probability Density Function for the Received Signal       | 8,488,726            | July 16, 2013     |
| REDUCING PULSE NARROWING IN THE TRANSMITTER SIGNAL THAT DRIVES A LIMITING E/O CONVERTER FOR OPTICAL FIBER CHANNELS    | 8,229,303            | July 24, 2012     |
| HIGH-SPEED RECEIVER ARCHITECTURE  | 8,483,343            | July 9, 2013      |
| ANALOG-TO-DIGITAL CONVERTER   | 7,808,417            | October 5, 2010   |
| ANALOG-TO-DIGITAL CONVERTER   | 8,094,056            | January 10, 2012  |
| HIGH-SPEED RECEIVER ARCHITECTURE  | 8,139,630            | March 20, 2012    |
| TESTING OF TRANSMITTERS FOR COMMUNICATION LINKS BY SOFTWARE SIMULATION OF REFERENCE CHANNEL AND/OR REFERENCE RECEIVER | 8,111,986            | February 7, 2012  |
| TESTING OF RECEIVERS WITH SEPARATE LINEAR O/E MODULE AND HOST USED IN COMMUNICATION LINKS                             | 8,254,781            | August 28, 2012   |
| TESTING OF TRANSMITTERS FOR COMMUNICATION LINKS BY SOFTWARE SIMULATION OF REFERENCE CHANNEL AND/OR                    | 8,009,981            | August 30, 2011   |

|   |           |                    |
|---|-----------|--------------------|
| REFERENCE RECEIVER  |           |                    |
| Testing of Elements Used in Communication Links   | 8,498,535 | July 30, 2013      |
| MULTI-CHANNEL EQUALIZATION TO COMPENSATE FOR IMPAIRMENTS INTRODUCED BY INTERLEAVED DEVICES                            | 8,265,134 | September 11, 2012 |
| HIGH-SPEED OPTICAL COMMUNICATIONS SYSTEM  | 8,761,609 | June 24, 2014      |
| High-Speed Receiver Architecture  | 8,831,074 | September 9, 2014  |
| TESTING OF TRANSMITTERS FOR COMMUNICATION LINKS BY SOFTWARE SIMULATION OF REFERENCE CHANNEL AND/OR REFERENCE RECEIVER | 8,639,112 | January 28, 2014   |
| Non-Concatenated FEC Codes for Ultra-High Speed Optical Transport Networks  | 8,918,694 | December 23, 2014  |
| Reduced Data Rate Operation Mode for High Speed Optical Communication Device  | 8,886,055 | November 11, 2014  |
| Reducing Pulse Narrowing in the Transmitter Signal that Drives a Limiting E/O Converter for Optical Fiber Channels    | 8,929,747 | January 6, 2015    |
| TIMING RECOVERY FOR OPTICAL COHERENT RECEIVERS IN THE PRESENCE OF POLARIZATION MODE DISPERSION                        | 9,225,433 | December 29, 2015  |
| COHERENT OPTICAL TRANSCIEVER WITH PROGRAMMABLE APPLICATION MODES  | 9,071,364 | June 30, 2015      |
| SKEW COMPENSATION BASED ON EQUALIZER COEFFICIENTS   | 9,036,751 | May 19, 2015       |
| RESET IN A RECEIVER USING CENTER OF GRAVITY OF EQUALIZER COEFFICIENTS   | 9,077,572 | July 7, 2015       |
| CHANNEL DIAGNOSTICS BASED ON EQUALIZER COEFFICIENTS   | 9,094,117 | July 28, 2015      |
| Testing of Elements Used In Communication Links   | 9,136,942 | September 15, 2015 |
| Coherent Transceiver Architecture   | 9,337,934 | May 10, 2016       |
| TIMING RECOVERY FOR OPTICAL COHERENT RECEIVERS IN THE PRESENCE OF POLARIZATION MODE DISPERSION                        | 9,178,625 | November 3, 2015   |
| Cycle Slip Compensation in Coherent Receiver  | 9,306,676 | April 5, 2016      |

|  |           |               |
|--|-----------|---------------|
| High-Speed Optical Communications System | 9,391,715 | July 12, 2016 |
|--|-----------|---------------|