

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4632015

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAJAN RAO	08/06/2017
NIKHIL KUMAR SATYARTHI	06/06/2017
ASHOK KUNJIDHAPATHAM	06/06/2017
BARANIDHAR RAMANATHAN	06/09/2017
BIAO LU	06/02/2017
<b>RECEIVING PARTY DATA</b>	
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15601426
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<b>ATTORNEY DOCKET NUMBER:</b>	P579
<b>NAME OF SUBMITTER:</b>	JOHN C. DONCH JR.
<b>SIGNATURE:</b>	/John C. Donch Jr./
<b>DATE SIGNED:</b>	10/09/2017
<b>Total Attachments: 7</b>	

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## ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) **Rajan Rao, Nikhil Kumar Satyarthi, Ashok Kunjidhpatham, Baranidhar Ramanathan and Biao Lu** (hereinafter referred to as the "Inventor(s)") and **Infinera Corporation**, having a place of business at 169 Java Drive, Sunnyvale, CA 94089 (hereinafter referred to as the "Assignee").

WHEREAS, Inventor(s) are named as inventors in the patent application filed in the United States of America on May 22, 2017 entitled **A HEURISTIC CONSTRAINT DRIVEN OPTICAL CHANNEL PROTECTION**, having application no. 15/601,426, and having a docket number of **P579** (hereinafter referred to as the "Application");

WHEREAS, the Inventor(s) hereby authorize Assignee or Assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment;

and

WHEREAS, Assignee has a desire to acquire all rights, title, and interest in the invention(s) disclosed in the Application (hereinafter referred to as the "Invention(s)"), including any rights, title, and interest in the Invention(s) not previously transferred to Assignee through prior agreement.

NOW, THEREFORE, the parties agree as follows:

1. To the extent that Inventor(s) are subject to a prior agreement transferring rights, title, and/or interest in the Invention(s) to the Assignee, Inventor(s) hereby confirm such transfer.
2. To the extent that Inventor(s) retain any rights, title, or interest in the Invention(s) not vested in the Assignee on the date(s) of execution of this Assignment, Inventor(s) hereby assign and otherwise transfer to the Assignee their entire right, title, and interest, throughout the world, in and to: the Invention(s), including any patent applications, patents, invention registrations, and equivalents

thereof (including any and all provisional, international, regional, and national patents and patent applications, and all divisions, continuations, continuations-in-part, renewals, reissues, reexams, substitutes and extensions thereof), for the Invention(s) and all rights to claim priority thereto. Inventor(s) further assign and otherwise transfer to Assignee all causes of action and remedies arising under any patent or patent application for the Invention(s) prior to, on, or after the date(s) of execution of this Assignment. Inventor(s) shall not be entitled to an accounting for any causes of action or remedies pursued by Assignee.

3. The transfers set forth in Paragraphs 1 and 2 above are in consideration for the sum of at least one U.S. dollar (US\$1) (or its equivalent) and/or other consideration for which both parties acknowledge to be valuable. Such consideration includes but is not limited to at least one of the following: employment, an independent contractor agreement, monetary payment, or other benefit hereby acknowledged as received.

4. Inventor(s) hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent thereof, to issue the patent for the Invention, and all resulting patents therefrom, insofar as the Inventor(s)' interest is concerned, to the Assignee.

5. Inventor(s) further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect Assignee's rights, title, and interest in the Invention(s).

6. Inventor(s) hereby authorize Assignee, its successors and assigns, its legal representatives, or anyone the Assignee may properly designate, to insert in this Assignment of Patent Rights the filing date and/or application number of the Application when ascertained.


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7. Inventor(s) hereby further agree to, with respect to any patent application or patent for the Invention(s), at the expense of the Assignee:

- i) testify in any legal proceedings,
- ii) sign all lawful papers,
- iii) execute all divisional, continuation, continuation-in-part, reissue, reexamination, and substitute applications,
- iv) make all lawful oaths, and assist in vesting title in the Assignee and to aid the Assignee to obtain and enforce proper protection for the subject matter of the Invention(s) in all countries and regions, and
- v) notify Assignee promptly (by facsimile or first class mail) of any subpoena or contact by any person other than Assignee or its agents regarding the Invention or resultant patent(s) issuing therefrom, and in any event at least one week prior to any deposition, legal inquiry or legal proceeding relating to the above identified invention.

This assignment is executed on the date(s) of which the Inventor(s) have signed.

Inventor: Rajan Rao

  
\_\_\_\_\_  
Rajan Rao (Print Name)

(Signature) 8/6/17 (Date)

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This assignment is executed on the date(s) of which the Inventor(s) have signed.

Inventor: Nikhil Kumar Satyarthi

Nikhil Kumar Satyarthi (Signature) 6th June, 2017 (Date)  
NIKHIL SATYARTHI (Print Name)

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This assignment is executed on the date(s) of which the Inventor(s) have signed.

Inventor: Ashok Kunjidhapatham

*Ashok* (Signature) 6<sup>th</sup> June 2017 (Date)  
ASHOK KUNJIDHAPATHAM (Print Name)

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This assignment is executed on the date(s) of which the Inventor(s) have signed.

Inventor: Baranidhar Ramanathan


R. Baranidhar (Signature) 6/9/17 (Date)  
BARANIDHAR RAMANATHAN (Print Name)



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This assignment is executed on the date(s) of which the Inventor(s) have signed.

Inventor: Biao Lu

 (Signature) 6/2/2017 (Date)  
BIAO LU (Print Name)