## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name                | Execution Date |
|---------------------|----------------|
| Biao Lu             | 01/19/2010     |
| Jan Bialkowski      | 01/19/2010     |
| Edward E. Sprague   | 01/19/2010     |
| Parthiban Kandappan | 01/18/2010     |

### RECEIVING PARTY DATA

| Name:           | Infinera Corporation |
|-----------------|----------------------|
| Street Address: | 1322 Bordeaux Drive  |
| City:           | Sunnyvale            |
| State/Country:  | CALIFORNIA           |
| Postal Code:    | 94089                |

# PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12571029 |

## **CORRESPONDENCE DATA**

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 240-264-5458

Email: patents@infinera.com

Correspondent Name: Infinera Corporation David Soltz
Address Line 1: 9005 Junction Drive, Suite B

Address Line 4: Annapolis Junction, MARYLAND 20701

ATTORNEY DOCKET NUMBER: P264

NAME OF SUBMITTER: David L. Soltz

Total Attachments: 5

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> PATENT REEL: 023873 FRAME: 0752

### **ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), hereinafter referred to as Assignor(s), have made an invention entitled:

### FAST PROTECTION PATH ACTIVATION USING CONTROL PLANE MESSAGES

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on September 30, 2009 (Application No. 12/571,029); and

WHEREAS, Infinera Corporation, a corporation of Delaware whose post office address is 1322 Bordeaux Drive, Sunnyvale, California, 94089 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, Provisional Application No. \_\_\_\_\_\_ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 12/571,029, filed September 30, 2009) and above the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set my/our hand(s).

| INVENTOR Name:  | Biao Lu   |  |   |
|---|---|--|---|
| INVENTOR Address:   | 20029 Glasgow Drive   |  |   |
|   | Saratoga, CA 950  | )70  |   |
| Date of Signature:  |   | 1/19/10  |   |
|   |   | MQ   | >   |
|   |   | [INVENTOR Signature]   |   |
|   |   |  |   |
| Witnessed by:   | <u>Jessa</u>  | myn Kirkwool Print Name  |   |
| Signature:  | - Am  | y tund   |   |
|   |   | • OR ———   |   |
| State of California,  |   |  |   |
| County of   |   | _  |   |
| OnI   | before me,  | [Notary Public]  | _, personally appeared                        |
| Biao Lu, who proved to me is/are subscribed to the wi his/her/their authorized ca | e on the basis of satisfa<br>ithin instrument and ack<br>pacity(ies), and that by | actory evidence to be the personowledged to me that he/she/his/her/their signature(s) on the person(s) acted, executed the | they executed the same in<br>e instrument the |
| I certify under PENALTY C<br>paragraph is true and corr                           |   | e laws of the State of California  | a that the foregoing                          |
| WITNESS my hand and o   | fficial seal.   |  |   |
|   |   |  |   |
|   |   |  |   |
| Signature of N  | lotary Public   |  |   |
|   |   |  |   |
|   |   | •  | (Notary Seal)                                 |

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**PATENT** 

REEL: 023873 FRAME: 0754

| INVENTOR Name:  | Jan Bialkowski   |
|---|--|
| INVENTOR Address:   | 3623 Meadowlands Lane  |
|   | San Jose CA 95135  |
| Date of Signature:  | 1/19/10  |
|   | In Bis as Sayles   |
|   | [INVENTOR Signature]   |
| Witnessed by:   | Jessamyn Cyrlusod<br>Print Name  |
| Signature:  | Janny Carlinel   |
|   |  |
| State of California,  |  |
| County of   |  |
| Ont   | pefore me,, personally appeared [Notary Public]  |
| Jan Bialkowski, who prove<br>name(s) is/are subscribed<br>the same in his/her/their a | to the within instrument and acknowledged to me that he/she/they executed uthorized capacity(ies), and that by his/her/their signature(s) on the instrument upon behalf of which the person(s) acted, executed the instrument. |
| I certify under PENALTY C<br>paragraph is true and corr                               | OF PERJURY under the laws of the State of California that the foregoing ect.   |
| WITNESS my hand and of  | fficial seal.  |
|   |  |
| Signature of N  | otary Public   |
|   |  |

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**PATENT** 

(Notary Seal)

REEL: 023873 FRAME: 0755

| INVENTOR Name:   | Edward E. Sprague   |
|--|---|
| INVENTOR Address:  | 25 Roan Place   |
|  | Woodside, CA 94062  |
| Date of Signature:                                       | 1/19/10   |
|  |   |
|  |   |
|  | [INVENTOR Signature]  |
| Witnessed by:  | 1 essamy Circusod   |
| Signature:   | - from filled   |
|  | OR ———  |
| State of California,                                     |   |
| County of  |   |
| On t   | pefore me,, personally appeared   |
| •, •   | [Notary Public]   |
| name(s) is/are subscribed the same in his/her/their a    | proved to me on the basis of satisfactory evidence to be the person(s) whose to the within instrument and acknowledged to me that he/she/they executed uthorized capacity(ies), and that by his/her/their signature(s) on the instrument upon behalf of which the person(s) acted, executed the instrument. |
| I certify under PENALTY C<br>paragraph is true and corre | OF PERJURY under the laws of the State of California that the foregoing ect.  |
| WITNESS my hand and of                                   | fficial seal.   |
|  |   |
| Signature of N   | lotary Public   |
|  |   |
|  |   |

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**PATENT** 

(Notary Seal)

**REEL: 023873 FRAME: 0756** 

| INVENTOR Name:  | Parthiban Kanda                                 | ран   |
|---|---|---|
| INVENTOR Address:                                     | 5367 Beaumont (                                 | Canyon Drive  |
|   | San Jose, CA 95                                 | 138   |
| Date of Signature:                                    | 18-Ja   | n-2010  |
|   |   | CILL A D  |
|   |   | h. The  |
|   |   | [JŃVENTOR Signature]  |
|   | 1   | <i>k</i> : , , ,  |
| Witnessed by:   |   | Amys Circuso Print Name   |
|   | ·, /  | in a life 1   |
| Signature:  |   | Work Work   |
|   |   | OR -  |
| State of California,                                  |   |   |
| County of   |   | _   |
| On t  | pefore me.                                      | personally appeared   |
| [Date]  | pefore me,                                      | [Notary Public]   |
| name(s) is/are subscribed the same in his/her/their a | to the within instrumer uthorized capacity(ies) | basis of satisfactory evidence to be the person(s) whose of and acknowledged to me that he/she/they executed and that by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument. |
| I certify under PENALTY C                             |   | e laws of the State of California that the foregoing  |
| WITNESS my hand and of                                | fficial seal.                                   |   |
|   |   |   |
|   |   |   |
| Signature of N  | lotary Public                                   |   |
|   |   |   |
|   |   | (Notary Seal)   |

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**PATENT REEL: 023873 FRAME: 0757** 

**RECORDED: 01/29/2010**