

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Boris REYNOV</td> <td>03/09/2012</td> </tr> <tr> <td>Shreeram SIDDHAYE</td> <td>03/09/2012</td> </tr> <tr> <td>Venkata PENMETSA</td> <td>03/09/2012</td> </tr> <tr> <td>John CLEVELAND</td> <td>05/16/2012</td> </tr> <tr> <td>Madhavi RAJAN</td> <td>03/12/2012</td> </tr> <tr> <td>John TRAN</td> <td>03/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Boris REYNOV	03/09/2012	Shreeram SIDDHAYE	03/09/2012	Venkata PENMETSA	03/09/2012	John CLEVELAND	05/16/2012	Madhavi RAJAN	03/12/2012	John TRAN	03/19/2012
Name	Execution Date														
Boris REYNOV	03/09/2012														
Shreeram SIDDHAYE	03/09/2012														
Venkata PENMETSA	03/09/2012														
John CLEVELAND	05/16/2012														
Madhavi RAJAN	03/12/2012														
John TRAN	03/19/2012														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Juniper Networks, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1194 N. Mathilda Avenue</td> </tr> <tr> <td>City:</td> <td>Sunnyvale</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94089</td> </tr> </table>		Name:	Juniper Networks, Inc.	Street Address:	1194 N. Mathilda Avenue	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94089				
Name:	Juniper Networks, Inc.														
Street Address:	1194 N. Mathilda Avenue														
City:	Sunnyvale														
State/Country:	CALIFORNIA														
Postal Code:	94089														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13434386</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13434386										
Property Type	Number														
Application Number:	13434386														
CORRESPONDENCE DATA															
Fax Number:	(202)842-7899														
Phone:	(703) 456-8000														
Email:	jdrake@cooley.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Cooley LLP														
Address Line 1:	777 6th Street, N.W., Suite 1100														
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20001														
ATTORNEY DOCKET NUMBER:	JUNI-185/00US 108200-2419														

NAME OF SUBMITTER:

Christopher R. Hutter

**Total Attachments: 6**

source=juni-185-assignment#page1.tif

source=juni-185-assignment#page2.tif

source=juni-185-assignment#page3.tif

source=juni-185-assignment#page4.tif

source=juni-185-assignment#page5.tif

source=juni-185-assignment#page6.tif

## ASSIGNMENT

**Boris REYNOV**, residing at 10242 Nile Drive, Cupertino, CA 95014; **Shreeram SIDDHAYE**, residing at 1549 Murre Lane, Sunnyvale, CA 94087; **Venkata PENMETS**, residing at 20875 Valley Green Drive, #22, Cupertino, CA 95014; **John CLEVELAND**; residing at 19715 Wheaton Drive, Cupertino, CA 95014; **Madhavi RAJAN**, residing at 45908 Omega Drive, Fremont, CA 94539; and **John TRAN**, residing at 1371 Tea Rose Circle, San Jose, CA 95131 (each referred to as "Assignor") has made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **CIRCUIT BOARDS DEFINING REGIONS FOR CONTROLLING A DIELECTRIC CONSTANT OF A DIELECTRIC MATERIAL**, and which is a:

- (1)  provisional application  
     (a)  to be filed herewith; or  
     (b)  bearing Application No. , and filed on ; or
- (2)  non-provisional application  
     (a)  to be filed herewith; or  
     (b)  bearing Application No. 13/434,386  
         filed on 03/29/2012 and Attorney Docket No.  
         JUNI-185/00US 108200-2419.

**WHEREAS, JUNIPER NETWORKS, INC.**, a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at 1194 N. Mathilda Ave., Sunnyvale, CA 94089 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention; the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention; any application for patent of the United States or other countries claiming priority to these application; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

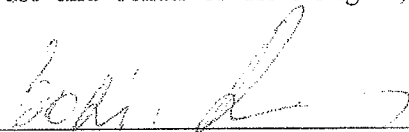
The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.


The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

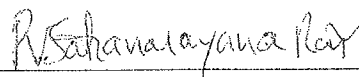
Date: 03/09/2012

By:   
**Boris REYNOV**

Date: 03/09/2012

By:   
**Shreeram SIDDHAYE**

 Date: 03/09/2012

By:   
**Venkata PENMETS**

Date: \_\_\_\_\_

By: \_\_\_\_\_  
**John CLEVELAND**

Date: \_\_\_\_\_

By: \_\_\_\_\_  
**Madhavi RAJAN**

Date: \_\_\_\_\_

By: \_\_\_\_\_  
**John TRAN**

509254 v1/RE

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Boris REYNOV**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Shreeram SIDDHAYE**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Venkata PENMETSIA**

Date: May 16, 2012 By: *John Cleveland*  
**John CLEVELAND**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Madhavi RAJAN**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**John TRAN**

509254 v1/RE

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Boris REYNOV**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Shreeram SIDDHAYE**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Venkata PENMETSA**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**John CLEVELAND**

Date: 03/12/2012 By: \_\_\_\_\_  
**Madhavi RAJAN**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**John TRAN**

509254 v1/RE

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.


Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Boris REYNOV**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Shreeram SIDDHAYE**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Venkata PENMETSА**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**John CLEVELAND**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**Madhavi RAJAN**

Date: 3/19/2012 By: \_\_\_\_\_  
  
**John TRAN**

509254 v1/RE