

PATENT ASSIGNMENT

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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>Lili Wang</td> <td>12/12/2011</td> </tr> <tr> <td>Rahul Aggarwal</td> <td>12/19/2011</td> </tr> <tr> <td>Yakov Rekhter</td> <td>12/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Lili Wang	12/12/2011	Rahul Aggarwal	12/19/2011	Yakov Rekhter	12/13/2011		
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<table border="1"> <tr> <td>Name:</td> <td>Juniper Networks, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1194 North 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>94089-1206</td> </tr> </table>		Name:	Juniper Networks, Inc.	Street Address:	1194 North Mathilda Avenue	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94089-1206
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CORRESPONDENCE DATA											
<p>Fax Number: (651)735-1102</p> <p>Phone: 651-735-1100</p> <p>Email: pairedocketing@ssiplaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: SHUMAKER & SIEFFERT, P.A</p> <p>Address Line 1: 1625 RADIO DRIVE , SUITE 300</p> <p>Address Line 4: WOODBURY, MINNESOTA 55125</p>											
ATTORNEY DOCKET NUMBER:	1014-485US01/JNP-1566										
NAME OF SUBMITTER:	Renee L. Whittaker										
<p>Total Attachments: 3</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p> <p>source=Assignment#page3.tif</p>											

CH \$40.00 13332214

ASSIGNMENT

For valuable consideration, we, Lili Wang of 255 Littleton Rd. Apt 30-104, Chelmsford, MA 01824, Rahul Aggarwal of 998 Lucky Avenue, Menlo Park, CA 94025 and Yakov Rekhter of 108 Petersville Rd, New Rochelle, NY 10801, hereby assign to: Juniper Networks, Inc., having a place of business at: 1194 North Mathilda Avenue, Sunnyvale, California 94089-1206 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled LOAD BALANCING MULTICAST JOIN REQUESTS OVER INTERIOR AND EXTERIOR BGP PATHS IN A MVPN, filed herewith; this assignment including said application, any provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 12/12/2011

Lili Wang
Lili Wang

Date: _____

Rahul Aggarwal

Date: _____

Yakov Rekhter

ASSIGNMENT

For valuable consideration, we, Lili Wang of 255 Littleton Rd. Apt 30-104, Chelmsford, MA 01824, Rahul Aggarwal of 998 Lucky Avenue, Menlo Park, CA 94025 and Yakov Rekhter of 108 Petersville Rd, New Rochelle, NY 10801, hereby assign to: Juniper Networks, Inc., having a place of business at: 1194 North Mathilda Avenue, Sunnyvale, California 94089-1206 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled **LOAD BALANCING MULTICAST JOIN REQUESTS OVER INTERIOR AND EXTERIOR BGP PATHS IN A MVPN**, filed herewith; this assignment including said application, any provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date:

Lili Wang

Date: 12/17/2011

Rahul Aggarwal
Rahul Aggarwal

Date:

Yakov Rekhter

ASSIGNMENT

For valuable consideration, we, Lili Wang of 255 Littleton Rd. Apt 30-104, Chelmsford, MA 01824, Rahul Aggarwal of 998 Lucky Avenue, Menlo Park, CA 94025 and Yakov Rekhter of 108 Petersville Rd, New Rochelle, NY 10801, hereby assign to: Juniper Networks, Inc., having a place of business at: 1194 North Mathilda Avenue, Sunnyvale, California 94089-1206 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled LOAD BALANCING MULTICAST JOIN REQUESTS OVER INTERIOR AND EXTERIOR BGP PATHS IN A MVPN, filed herewith; this assignment including said application, any provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: _____

Lili Wang

Date: _____

Rahul Aggarwal

Date: 12/13/2011

Yakov Rekhter
Yakov Rekhter