

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>Hiren A. Desai</td> <td>10/24/2012</td> </tr> <tr> <td>Haresh K. Shah</td> <td>10/24/2012</td> </tr> <tr> <td>Krishnamurthy Subramanian</td> <td>10/24/2012</td> </tr> <tr> <td>Swaminathan Sundararaman</td> <td>10/24/2012</td> </tr> <tr> <td>Saikrishna M. Kotha</td> <td>10/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hiren A. Desai	10/24/2012	Haresh K. Shah	10/24/2012	Krishnamurthy Subramanian	10/24/2012	Swaminathan Sundararaman	10/24/2012	Saikrishna M. Kotha	10/24/2012
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RECEIVING PARTY DATA													
Name:	DELL PRODUCTS L.P.												
Street Address:	One Dell Way												
City:	Round Rock												
State/Country:	TEXAS												
Postal Code:	78682-2244												
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>13662145</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13662145								
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CORRESPONDENCE DATA													
Fax Number:	2142000853												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Correspondent Name:	HAYNES AND BOONE, LLP - IP Section												
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ATTORNEY DOCKET NUMBER:	16356.1530												
NAME OF SUBMITTER:	Gary J. Edwards												

OP \$40.00 13662145

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we,

(1) Krishnamurthy SUBRAMANIAN	of	Mountain View, CA;
(2) Swaminathan SUNDARARAMAN	of	Cupertino, CA;
(3) Hiren A. DESAI	of	San Jose, CA;
(4) Saikrishna M. KOTHA	of	Austin, TX;
(5) Hareesh K. SHAH	of	Los Altos Hills, CA;

have invented certain improvements in

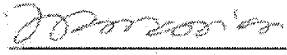


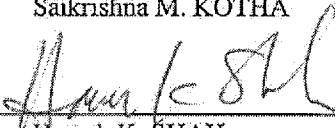
**SYSTEMS AND METHODS FOR STACKING FIBRE CHANNEL SWITCHES
WITH FIBRE CHANNEL OVER ETHERNET STACKING LINKS**

and executed a United States patent application filed on October 26, 2012, and assigned application Serial No. 13/662,145.

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, DELL PRODUCTS L.P., a Texas limited partnership having a place of business at One Dell Way, Round Rock, Texas 78682-2244 (DELL), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefore;

NOW, THEREFORE, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby acknowledge our prior existing obligation and hereby sell, assign, transfer to DELL, its successors and assigns, the entire right, title, and interest in the application and invention therein disclosed for the United States and foreign countries, to and under the said improvements, and the said application and all divisionals, renewals, continuing applications thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to DELL, its successors and assigns; and we hereby agree that DELL may apply for foreign Letters Patent on the invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by DELL.

- (1) Signed By: 
Krishnamurthy SUBRAMANIAN
Date: 10/24/2012
- (2) Signed By: 
Swaminathan SUNDARARAMAN
Date: 10/24/2012
- (3) Signed By: 
Hiren A. DESAI
Date: 10-24-2012
- (4) Signed By: _____
Sakrishna M. KOTHA
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- (5) Signed By: 
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Saikrishna M. KOTHA Date 10/24/2012
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Haresh K. SHAH Date _____