

## 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>Shivakumar Sundaram</td> <td>11/27/2012</td> </tr> <tr> <td>Krishnamurthy Subramanian</td> <td>11/20/2012</td> </tr> <tr> <td>Pathangi Narasimhan Janardhanan</td> <td>11/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shivakumar Sundaram	11/27/2012	Krishnamurthy Subramanian	11/20/2012	Pathangi Narasimhan Janardhanan	11/27/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>DELL PRODUCTS L.P.</td> </tr> <tr> <td>Street Address:</td> <td>One Dell Way</td> </tr> <tr> <td>City:</td> <td>Round Rock</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>78682-2244</td> </tr> </table>		Name:	DELL PRODUCTS L.P.	Street Address:	One Dell Way	City:	Round Rock	State/Country:	TEXAS	Postal Code:	78682-2244
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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>13716478</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13716478						
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CORRESPONDENCE DATA											
<p>Fax Number: 2142000853</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 214-651-5000</p> <p>Email: ipdocketing@haynesboone.com</p> <p>Correspondent Name: HAYNES AND BOONE, LLP - IP Section</p> <p>Address Line 1: 2323 Victory Avenue</p> <p>Address Line 2: Suite 700</p> <p>Address Line 4: Dallas, TEXAS 75219</p>											
ATTORNEY DOCKET NUMBER:	16356.1525										
NAME OF SUBMITTER:	Darrell D. Kinder, Jr.										
<p>Total Attachments: 4</p> <p>source=16356_1525Assignment#page1.tif</p> <p>source=16356_1525Assignment#page2.tif</p> <p>source=16356_1525Assignment#page3.tif</p> <p>source=16356_1525Assignment#page4.tif</p>											

OP \$40.00 13716478

## ASSIGNMENT

WHEREAS, we,

- (1) Shivakumar Sundaram of Chennai, Tamilnadu, INDIA;
- (2) Krishnamurthy Subramanian of Mountain View, California, USA; and
- (3) Pathangi Narasimhan Janardhanan of Chennai, Tamilnadu, INDIA.

have invented certain improvements in a

### SYSTEMS AND METHODS FOR ROUTING INFORMATION IN AN INFORMATION HANDLING SYSTEM USING EXTENDED L3 LOOKUP TABLES

and executed a United States patent application filed on December 17, 2012, and assigned application Serial No. 13/716,478.

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.

**PATENT**

Docket No.: 16356.1525  
Dell Ref. No. 100090.01  
Customer No.: 000027683

(1)

Signed By:



Shivakumar Sundaram

27-Nov-2012

Date

(2)

Signed By:

Krishnamurthy Subramanian

Date

(3)

Signed By:



Pathangi Narasimhan Janardhanan

27-Nov-2012

Date

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(1)

Signed By: \_\_\_\_\_  
Shivakumar Sundaram

\_\_\_\_\_  
Date

(2)

Signed By:                     *Subramanian*                      
Krishnamurthy Subramanian

                    11/20/2012                      
Date

(3)

Signed By: \_\_\_\_\_  
Pathangi Narasimhan Janardhanan

\_\_\_\_\_  
Date