

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>Bhyrav M. Mutnury</td> <td>02/13/2013</td> </tr> <tr> <td>Sandor Farkas</td> <td>02/13/2013</td> </tr> <tr> <td>Stuart Allen Berke</td> <td>02/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Bhyrav M. Mutnury	02/13/2013	Sandor Farkas	02/13/2013	Stuart Allen Berke	02/13/2013		
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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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CORRESPONDENCE DATA											
<p>Fax Number: 5123912173</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 512.236.2023</p> <p>Email: bprewitt@docket@jw.com</p> <p>Correspondent Name: Jackson Walker L.L.P.</p> <p>Address Line 1: 100 Congress Avenue</p> <p>Address Line 2: Suite 1100</p> <p>Address Line 4: Austin, TEXAS 78701</p>											
ATTORNEY DOCKET NUMBER:	102450.00058										
NAME OF SUBMITTER:	Mindy Mayer										
<p>Total Attachments: 4</p> <p>source=101195.01 Assignment#page1.tif</p> <p>source=101195.01 Assignment#page2.tif</p> <p>source=101195.01 Assignment#page3.tif</p> <p>source=101195.01 Assignment#page4.tif</p>											

CH \$40.00 13778941

ASSIGNMENT

WHEREAS, **BHYRAV M. MUTNURY**, a citizen of the Republic of India, residing at 1801 Warner Ranch Drive #1429, Round Rock, Texas 78664, **SANDOR FARKAS**, a citizen of Canada, residing at 2507 Trailing Vine Way, Round Rock, Texas 78655, and **STUART ALLEN BERKE**, a citizen of the United States of America, residing at 10220 Fossmoor Street, Austin, Texas 78717, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled *Systems and Methods for Frequency Shifting Resonance of an Unused Via in a Printed Circuit Board*, Attorney Docket No. 102450.00058 (101195.01), for a full description of which reference is here made to an application for Letters Patent of the United States filed on **February 27, 2013** and assigned Application Serial No. **13/778941**; and


We hereby also sell, assign and transfer unto DELL PRODUCTS L.P., the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize DELL PRODUCTS L.P. to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.


We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation, continuation-in-part, or reissue, to DELL PRODUCTS L.P., for the sole use and benefit of DELL PRODUCTS L.P., its successors, assigns and legal representatives, to the full end of the term for which the Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to DELL PRODUCTS L.P.

We agree that, when requested, we will, without charge to DELL PRODUCTS L.P., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in DELL PRODUCTS L.P., its successors, assigns and legal representatives or nominees.

We covenant with DELL PRODUCTS L.P., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

NAME OF FIRST INVENTOR	BHYRAV M. MUTNURY
SIGNATURE OF FIRST INVENTOR	<u>M. Bhuvan Murthy</u>
DATE	<u>02/13/2013</u>

NAME OF SECOND INVENTOR	SANDOR FARKAS
SIGNATURE OF SECOND INVENTOR	
DATE	<u>2/13/2013</u>

NAME OF THIRD INVENTOR	STUART ALLEN BERKE
SIGNATURE OF THIRD INVENTOR	
DATE	2/13/2013