

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
UMESH CHANDRA	11/16/2017
BHYRAV M. MUTNURY	11/16/2017
CHUN-LIN LIAO	11/17/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Dell Products L.P.
<b>Street Address:</b>	One Dell Way
<b>City:</b>	Round Rock
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	78682
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15825746
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)200-0853
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	512-867-8424
<b>Email:</b>	ipdocketing@haynesboone.com
<b>Correspondent Name:</b>	HAYNES AND BOONE, LLP
<b>Address Line 1:</b>	IP SECTION, 2323 VICTORY AVENUE
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	DALLAS, TEXAS 75219
<b>ATTORNEY DOCKET NUMBER:</b>	16356.1883US01_80189
<b>NAME OF SUBMITTER:</b>	Y. KIM REYES
<b>SIGNATURE:</b>	/Y. Kim Reyes/
<b>DATE SIGNED:</b>	11/29/2017
<b>Total Attachments: 4</b>	
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**ASSIGNMENT**

WHEREAS, we,

- |     |                   |  |
|-----|-------------------|--|
| (1) | Umesh Chandra     | City of Santa Cruz<br>State of California                      |
| (2) | Bhyrav M. Mutnury | City of Round Rock<br>State of Texas                           |
| (3) | Chun-Lin Liao     | 4F., No. 68, Fujhih Rd., Shilin District<br>Taipei, Taiwan 111 |

have invented certain improvements in a

**DIFFERENTIAL TRACE PAIR SYSTEM**

and executed a United States patent application filed on November 29, 2017, and assigned application Serial No. 15/825,746.

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: Umesh Chandra  
Umesh Chandra

11/16/2017  
Date

(2)

Signed By: \_\_\_\_\_  
Bhyrav M. Mutnury

\_\_\_\_\_  
Date

(3)

Signed By: \_\_\_\_\_  
Chun-Lin Liao

\_\_\_\_\_  
Date

**PATENT**

Docket No.: 16356.1883US01 (109558.01)

Customer No.: 000027683

(1)

Signed By: \_\_\_\_\_  
Umesh Chandra

\_\_\_\_\_  
Date

(2)

Signed By:   
Bhyrav M. Mutnury

11/16/2017  
\_\_\_\_\_  
Date

(3)

Signed By: \_\_\_\_\_  
Chun-Lin Liao

\_\_\_\_\_  
Date

(1)

Signed By: Umesh Chandra

                      
Date

(2)

Signed By: Bhyrav M. Mutnury

                      
Date

(3)

Signed By: Chun-Lin Liao  
Chun-Lin Liao

11/17/2017  
Date