

## 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>
JOANNE CUIJUAN ZHANG	08/17/2016
THUY THANH THI VU	08/17/2016
<b>RECEIVING PARTY DATA</b>	
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<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>
<b>Application Number:</b>	15258687
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<b>ATTORNEY DOCKET NUMBER:</b>	16356.1830US01_80189
<b>NAME OF SUBMITTER:</b>	Y. KIM REYES
<b>SIGNATURE:</b>	/Y. Kim Reyes/
<b>DATE SIGNED:</b>	09/07/2016
<b>Total Attachments: 2</b>	
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**ASSIGNMENT**

WHEREAS, we,

- |     |                      |   |
|-----|----------------------|---|
| (1) | Joanne Cuijuan Zhang | City of San Jose<br>State of California |
| (2) | Thuy Thanh Thi Vu    | City of San Jose<br>State of California |

have invented certain improvements in a

**MODULAR FAN CHASSIS AIR FILTERING SYSTEM**


and executed a United States patent application filed on September 7, 2016, and assigned application Serial No. 15/258,687.

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:   
Joanne Cuijuan Zhang

8/17/2016  
Date

(2)

Signed By:   
Thuy Thanh Thi Vu

8/17/2016  
Date