

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4696479

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GURMEET BHUTANI	08/13/2010
CHENG-KUO WANG	08/13/2010
HUNG-PIN CHIEN	08/16/2010
LI-CHUNG LIU	08/16/2010
TIEN HSIANG WU	08/16/2010
<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>
<b>Application Number:</b>	15816459
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(512)347-1615
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<b>ATTORNEY DOCKET NUMBER:</b>	DELL:125D1
<b>NAME OF SUBMITTER:</b>	WILLIAM W. ENDERS
<b>SIGNATURE:</b>	/William W. Enders/
<b>DATE SIGNED:</b>	11/20/2017
<b>Total Attachments: 2</b>	

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**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, I

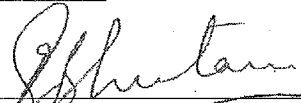
Gurmeet Bhutani	of	Mohali, India
Cheng-Kuo Wang	of	HsinChu City, Taiwan
Hung-Pin Chien	of	Bancaio Taipei, Taiwan
Li-Chung Liu	of	Zhongli City, Taiwan
Tien Hsiang Wu	of	Taipei, Taiwan

hereby sell, assign and transfer to Dell Products L.P., a Texas Limited Partnership, having a place of business at One Dell Way, Round Rock, Texas 78682-2244, its successors and assigns, the entire right, title and interest throughout the world in my invention in:

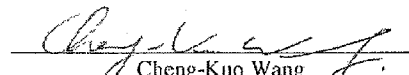
**DUAL OPERATION CENTRIFUGAL FAN APPARATUS AND METHODS OF  
USING SAME**

for which I have executed a United States patent application, Serial No. 12/804,826; filed July 29, 2010, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; I agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and I request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 13<sup>th</sup> day of Aug, 2010.

  
Gurmeet Bhutani

Executed this 13 day of August, 2010.

  
Cheng-Kuo Wang

Attorney Docket No.: DELL:125 (DC-17868)

Executed this 16<sup>th</sup> day of August, 2010.

Hung-Pin Chien  
Hung-Pin Chien

Executed this 16<sup>th</sup> day of August, 2010.

Li-Chung Liu  
Li-Chung Liu

Executed this 16<sup>th</sup> day of August, 2010.

Tien Hsiang Wu  
Tien Hsiang Wu