

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Dominick Adam Lovicott</td> <td>12/05/2011</td> </tr> <tr> <td>Paul T. Artman</td> <td>12/05/2011</td> </tr> </tbody> </table>		Name	Execution Date	Dominick Adam Lovicott	12/05/2011	Paul T. Artman	12/05/2011				
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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</td> </tr> </table>		Name:	Dell Products L.P.	Street Address:	One Dell Way	City:	Round Rock	State/Country:	TEXAS	Postal Code:	78682
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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>13344454</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13344454						
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Application Number:	13344454										
CORRESPONDENCE DATA											
<p>Fax Number: (214)200-0853 Phone: 512-867-8459 Email: Kim.Reyes@haynesboone.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Haynes And Boone, LLP Address Line 1: IP Section, 2323 Victory Avenue Address Line 2: Suite 700 Address Line 4: Dallas, TEXAS 75219</p>											
ATTORNEY DOCKET NUMBER:	16356.1306 (DC-19361)										
NAME OF SUBMITTER:	Joseph R. Mencher										
Total Attachments: 2 source=163561306Assignment#page1.tif source=163561306Assignment#page2.tif											

OP \$40.00 13344454

ASSIGNMENT

WHEREAS, we,

- | | | |
|-----|------------------------|--------------------------------------|
| (1) | Dominick Adam Lovicott | City of Round Rock
State of Texas |
| (2) | Paul T. Artman | City of Austin
State of Texas |

have invented certain improvements in a

MAPPED FAN ZONE COOLING SYSTEM

and executed a United States patent application filed on January 5, 2012, and assigned application Serial No. 13/344,454.

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.

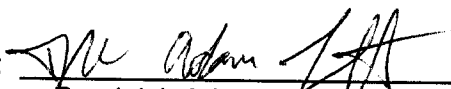
PATENT

Docket No.: 16356.1306 (DC-19361)

Customer No.: 000027683

(1)

Signed By:



Dominick Adam Levicott

Date

12/5/11

(2)

Signed By:


Paul T. Artman

Date

12/5/11