505998161 04/02/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6044871

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GARY BENEDICT KOTZUR	03/30/2020
WILLIAM EMMETT LYNN	04/01/2020
KEVIN THOMAS MARKS	03/30/2020
CHANDRASHEKAR NELOGAL	03/30/2020
JAMES PETER GIANNOULES	03/30/2020
AUSTIN PATRICK BOLEN	03/30/2020

RECEIVING PARTY DATA

Name:	DELL PRODUCTS L.P.
Street Address:	ONE DELL WAY
City:	ROUND ROCK
State/Country:	TEXAS
Postal Code:	78682-2244

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16838919

CORRESPONDENCE DATA

Fax Number: (214)200-0853

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.

Phone: 214-651-5000

Email: ipdocketing@haynesboone.com

HAYNES AND BOONE, LLP (16356) IP SECTION **Correspondent Name:**

2323 VICTORY AVENUE Address Line 1:

Address Line 2: SUITE 700

DALLAS, TEXAS 75219 Address Line 4:

ATTORNEY DOCKET NUMBER:	16356.2167US01/118670.01
NAME OF SUBMITTER:	JANIE MARTINEZ-HOLM
SIGNATURE:	/Janie Martinez-Holm/
DATE SIGNED:	04/02/2020

PATENT REEL: 052301 FRAME: 0138 505998161

Total Attachments: 7 source=16356-2167US01_Assignment#page1.tif source=16356-2167US01_Assignment#page2.tif source=16356-2167US01_Assignment#page3.tif source=16356-2167US01_Assignment#page4.tif source=16356-2167US01_Assignment#page5.tif source=16356-2167US01_Assignment#page6.tif source=16356-2167US01_Assignment#page7.tif

PATENT REEL: 052301 FRAME: 0139

Customer No.: 0000160825

ASSIGNMENT

WHEREAS, we,

••••	127.0, wo,	
(1)	Gary Benedict Kotzur	City of Austin State of Texas Country of Residency: United States
(2)	William Emmett Lynn	City of Round Rock State of Texas Country of Residency: United States
(3)	Kevin Thomas Marks	City of Georgetown State of Texas Country of Residency: United States
(4)	Chandrashekar Nelogal	City of Round Rock State of Texas Country of Residency: United States
(5)	James Peter Giannoules	City of Round Rock State of Texas Country of Residency: United States
(6)	Austin Patrick Bolen	City of Austin State of Texas

have invented certain improvements in a

RAID DATA STORAGE DEVICE MULTI-STEP COMMAND COORDINATION SYSTEM

Country of Residency: United States

and executed a United States patent application filed on	,	and assigned
application Serial No		

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

Customer No.: 0000160825

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.

(')		
Signed By:	/Gary Benedict Kotzur/	3/30/2020
0 , -	Gary Benedict Kotzur	Date
(2)		
Signed By: _	William Emmett Lynn	
	William Emmett Lynn	Date
(3)		
Signed By: _	Kevin Thomas Marks	
	Kevin Thomas Marks	Date
(4)		
Signed By: _	Chandrashekar Nelogal	
	Chandrashekar Nelogal	Date
(5)		
Signed By: _	James Peter Giannoules	
	James Peter Giannoules	Date
(6)		
Signed By: _		
	Austin Patrick Bolen	Date

(1)

Customer No.: 0000160825

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:	Gary Benedict Kotzur	 Date	
(2)			
Signed By:	/William Emmett Lynn/ William Emmett Lynn	4/1/2020 Date	
(3)			
Signed By:	Kevin Thomas Marks	 Date	
(4)			
Signed By:	Chandrashekar Nelogal	 Date	
(5)			
Signed By:	James Peter Giannoules	 Date	
(6)			
Signed By:	Austin Patrick Bolen	 Date	

/41

Customer No.: 0000160825

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.

(')		
Signed By:		
	Gary Benedict Kotzur	Date
(2)		
Signed By:	William Emmett Lynn	
	William Emmett Lynn	Date
(3)		
Signed By:	/Kevin Thomas Marks/	
	Kevin Thomas Marks	Date
(4)		
Signed By:	Chandrashekar Nelogal	
	Chandrashekar Nelogal	Date
(5)		
Signed By:	James Peter Giannoules	
	James Peter Giannoules	Date
(6)		
Signed By:		
	Austin Patrick Bolen	Date

(1)

Customer No.: 0000160825

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: _	Gary Benedict Kotzur	
	Gary Benedict Kotzur	Date
(2)		
Signed By:	William Emmett Lynn	
	William Emmett Lynn	Date
(3)		
Signed By:	Kevin Thomas Marks	
	Kevin Thomas Marks	Date
(4)		
Signed By:	/Chandrashekar Nelogal/	March 30, 2020
	Chandrashekar Nelogal	Date
(5)		
Signed By: _	James Peter Giannoules	
	James Peter Giannoules	Date
(6)		
Signed By:		
	Austin Patrick Bolen	Date

111

Customer No.: 0000160825

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:	Gary Benedict Kotzur	Date
(2)		
Signed By:	William Emmett Lynn	Date
(3)		
Signed By:	Kevin Thomas Marks	 Date
(4)		
Signed By:	Chandrashekar Nelogal	Date
(5)		
Signed By:	/James Peter Giannoules/ James Peter Giannoules	03/30/2020 Date
(6)		
Signed By:	Austin Patrick Bolen	 Date

/41

Customer No.: 0000160825

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:	Gary Benedict Kotzur	 Date
(2)		- 4.00
Signed By:	William Emmett Lynn	
(3)	william Emmett Lymn	Bate
Signed By:	Kevin Thomas Marks	
(4)	Noviii momas wants	Duito
Signed By:	Chandrashekar Nelogal	 Date
(5)	Ç	
Signed By:	James Peter Giannoules	 Date
(6)		
Signed By:	/Austin Patrick Bolen/ Austin Patrick Bolen	<u>3/30/2020</u> Date

Page 2 of 2

 $0016356.02167 US01 \mid 4838 \text{-} 0870 \text{-} 8537 \text{ v.} 1$

RECORDED: 04/02/2020

/41

PATENT REEL: 052301 FRAME: 0146