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PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | | NEW ASSIGNMENT | | | |
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| NATURE OF CONVEYANCE: | | ASSIGNMENT | ASSIGNMENT | | |
| CONVEYING PARTY D | ΑΤΑ | | | | |
| | | Name | Execution Date | | |
| JAMES H. HALLAR | | | 09/21/2017 | | |
| NICHOLAS G. DILORE | ГО | | 09/21/2017 | | |
| RECEIVING PARTY DA | TA | | | | |
| Name: | DELL PRODUCTS L.P. | | | | |
| Street Address: | ONE DELL WAY | | | | |
| City: | ROUND | ROUND ROCK | | | |
| State/Country: | TEXAS | | | | |
| Postal Code: | 78682 | 78682 | | | |
| PROPERTY NUMBERS | Total: 1 | | | | |
| Property Type | | Number | | | |
| Property Type Application Number: | 2 | Number 29618815 | | | |
| Property Type Application Number: | 2 | | | | |
| Application Number: | | | | | |
| Application Number: CORRESPONDENCE D Fax Number: | ATA | 29618815 512)345-7225 | | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will b | DATA (! pe sent to | 29618815 512)345-7225 <i>the e-mail address first; if that is uns</i> t | | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> | DATA (! provided; | 29618815 512)345-7225 | | | |
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| Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: | DATA (to provided; 5 ti | 29618815 512)345-7225 <i>the e-mail address first; if that is uns</i> <i>; if that is unsuccessful, it will be sent</i> 512-338-9100 | t via US Mail. | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: | DATA (! provided; 5 tr T | 29618815 512)345-7225 <i>the e-mail address first; if that is uns</i> <i>if that is unsuccessful, it will be sent</i> 512-338-9100 munoz@tcchlaw.com | t via US Mail. | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: | DATA (topic sent to provided; 5 ti 7 F | 29618815 512)345-7225 <i>the e-mail address first; if that is unst</i> <i>if that is unsuccessful, it will be sent</i> 512-338-9100 munoz@tcchlaw.com FERRILE, CANNATTI, CHAMBERS & H | t via US Mail. | | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: | DATA (: provided; 5 tr 7 F A | 29618815 512)345-7225 <i>the e-mail address first; if that is unst</i> <i>if that is unsuccessful, it will be sent</i> 512-338-9100 munoz@tcchlaw.com FERRILE, CANNATTI, CHAMBERS & He P.O. BOX 203518 | t via US Mail. | | |
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| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: | DATA (! provided; 5 tr 7 F A UMBER: | 29618815 512)345-7225 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 512-338-9100 munoz@tcchlaw.com FERRILE, CANNATTI, CHAMBERS & He P.O. BOX 203518 AUSTIN, TEXAS 78720 DC-109578.01 | t via US Mail. | | |
| Application Number: CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: | DATA (! provided; 5 tr 7 F A UMBER: | 29618815 512)345-7225 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 512-338-9100 munoz@tcchlaw.com FERRILE, CANNATTI, CHAMBERS & He P.O. BOX 203518 AUSTIN, TEXAS 78720 DC-109578.01 ROBERT W. HOLLAND | t via US Mail. | | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUME NAME OF SUBMITTER: SIGNATURE: | DATA (! provided; 5 tr 7 F A UMBER: | 29618815 512)345-7225 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 512-338-9100 munoz@tcchlaw.com FERRILE, CANNATTI, CHAMBERS & He P.O. BOX 203518 AUSTIN, TEXAS 78720 DC-109578.01 ROBERT W. HOLLAND /Robert W. Holland/ | t via US Mail. | | |

ASSIGNMENT

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

| James H. Hallar | of | Austin, Texas |
|-----------------------|----|---------------|
| Nicholas G. Dilloreto | of | Austin, Texas |

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 our invention in:

PEN

for which we have executed a United States patent application on or about the date of this assignment, 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; we 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; we 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 we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

21/2017

Date

Date

Jamer H. Hallar

Nicholas G. DiLoreto

PATENT REEL: 043990 FRAME: 0019

RECORDED: 09/25/2017