

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4388184

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WADE ANDREW BUTCHER	03/27/2017
KURTIS JOHN BOWMAN	03/27/2017
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<b>Postal Code:</b>	78682
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15499149
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<b>ATTORNEY DOCKET NUMBER:</b>	016295.5404
<b>NAME OF SUBMITTER:</b>	TRACY E. ENGBERG
<b>SIGNATURE:</b>	/Tracy E. Engberg/
<b>DATE SIGNED:</b>	04/27/2017
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

**WHEREAS**, I/We of residence as listed, have invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made; and

**WHEREAS, Dell Products L.P.** (hereinafter referred to as "Assignee"), a Texas limited partnership, with an address of One Dell Way, Round Rock, Texas 78682, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

**NOW, THEREFORE**, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all provisionals, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I/We authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I/We also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I/We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I/We will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I/We will testify in any legal proceedings, sign all lawful papers, execute all provisionals, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:

**EXECUTION TRACES**

Signature of Inventor:

Wade Andrew Butcher

Inventor's Name:

Wade Andrew Butcher

Date:

3/27/17

ATTORNEY DOCKET  
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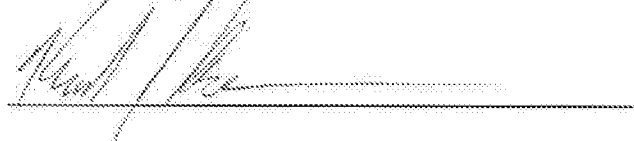
ASSIGNMENT

ASSIGNMENT

Title of Invention:

EXECUTION TRACES

Signature of Inventor:



Inventor's Name:

Kurtis John Bowman

Date:

3/27/17