

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3259128

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JACOB CHERIAN	01/06/2009
MARCELO SARAIVA	12/29/2008
SHANE CHIASSON	12/30/2008
GARY KOTZUR	01/05/2009
DOUGLAS HUANG	12/30/2008
ANAND NUNNA	01/02/2009
WILLIAM LYNN	01/02/2009
<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>	14643681
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	512-322-2500
<b>Email:</b>	tracy.perez@bakerbotts.com
<b>Correspondent Name:</b>	BAKER BOTTS L.L.P. PATENT DEPARTMENT
<b>Address Line 1:</b>	98 SAN JACINTO BLVD., SUITE 1500
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<b>ATTORNEY DOCKET NUMBER:</b>	016295.5131
<b>NAME OF SUBMITTER:</b>	TRACY E. PEREZ
<b>SIGNATURE:</b>	/Tracy E. Perez/
<b>DATE SIGNED:</b>	03/10/2015

**Total Attachments: 5**

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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.

ATTORNEY DOCKET  
016295.3756  
(DC-15320)

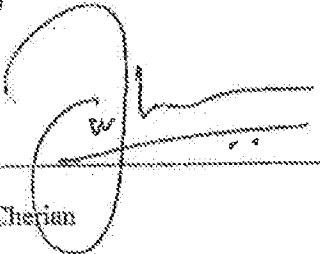
PATENT APPLICATION

2

Title of Invention:

*Systems and Methods for Non-Volatile Cache Control*

Signature of Inventor:



Inventor's Name:

Jacob Cherian

Residence (City, County, State):

Austin, Travis County, Texas

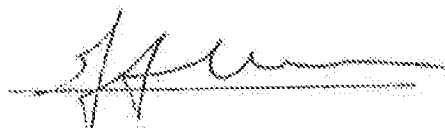
Date:

1/6/2009

Title of Invention:

*Systems and Methods for Non-Volatile Cache Control*

Signature of Inventor:



Inventor's Name:

Marcelo Sarrava  
SARRAVA → B.S. 10/19/2011

Residence (City, County, State):

Austin, Travis County, Texas

Date:

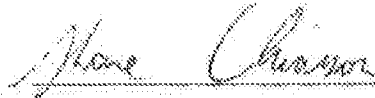
12/29/2008

A0501:527998.1

Title of Invention:

*Systems and Methods for Non-Volatile Cache Control*

Signature of Inventor:



Inventor's Name:

Shane Chiasson

Residence (City, County, State):

Pflugerville, Travis County, Texas

Date:


12/30/2008

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Title of Invention:

*Systems and Methods for Non-Volatile Cache Control*

Signature of Inventor:



Inventor's Name:

Gary Kotzur

Residence (City, County, State):

Austin, Travis County, Texas

Date:

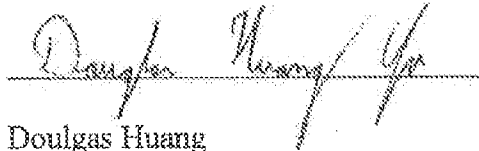
1/5/09

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Title of Invention:

*Systems and Methods for Non-Volatile Cache Control*

Signature of Inventor:



Inventor's Name:

Douglas Huang

Residence (City, County, State):

Pflugerville, Travis County, Texas

Date:

12/30/08

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Title of Invention:

*Systems and Methods for Non-Volatile Cache Control*

Signature of Inventor:



Inventor's Name:

Anand Nunna

Residence (City, County, State):

Round Rock, Williamson County, Texas

Date:

1/2/2009

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ATTORNEY DOCKET  
016295.3756  
(DC-15329)

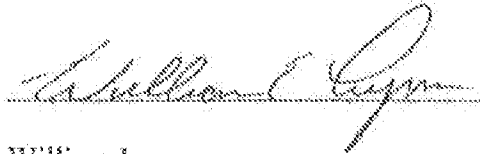
PATENT APPLICATION

5

Title of Invention:

*Systems and Methods for Non-Volatile Cache Control*

Signature of Inventor:



Inventor's Name:

William Lynn

Residence (City, County, State):

Round Rock, Williamson County, Texas

Date:

1/2/09

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AUS01:527998.1

PATENT

RECORDED: 03/10/2015

REEL: 035130 FRAME: 0181