505304696 01/30/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5351476

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHITRAK GUPTA	01/30/2019
RAMA RAO BISA	01/30/2019
SUSHMA BASAVARAJAIAH	01/08/2019
KALA SAMPATHKUMAR	01/08/2019
SHEKAR BABU SURYANARAYANA	01/08/2019
MUKUND KHATRI	01/15/2019
AJAY SHENOY	01/16/2019

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:	16262302

CORRESPONDENCE DATA

Fax Number:

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

Correspondent Name: PHILIP WOO

Address Line 1: 2323 VICTORY AVENUE Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	16356.1970US01
NAME OF SUBMITTER:	SHERRY SUTTERFIELD
SIGNATURE:	/Sherry Sutterfield/
DATE SIGNED:	01/30/2019

PATENT REEL: 048193 FRAME: 0665

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Total Attachments: 14 source=16356.1970US01 113030.01 Executed Assignment#page1.tif source=16356.1970US01 113030.01 Executed Assignment#page2.tif source=16356.1970US01 113030.01 Executed Assignment#page3.tif source=16356.1970US01 113030.01 Executed Assignment#page4.tif source=16356.1970US01 113030.01 Executed Assignment#page5.tif source=16356.1970US01 113030.01 Executed Assignment#page6.tif source=16356.1970US01 113030.01 Executed Assignment#page7.tif source=16356.1970US01 113030.01 Executed Assignment#page8.tif source=16356.1970US01 113030.01 Executed Assignment#page9.tif source=16356.1970US01 113030.01 Executed Assignment#page10.tif source=16356.1970US01 113030.01 Executed Assignment#page11.tif source=16356.1970US01 113030.01 Executed Assignment#page12.tif source=16356.1970US01 113030.01 Executed Assignment#page13.tif source=16356.1970US01 113030.01 Executed Assignment#page13.tif source=16356.1970US01 113030.01 Executed Assignment#page13.tif

Customer No.: 000027683

ASSIGNMENT

WHER	EAS, we,	
(1)	Chitrak Gupta	Bangalore, India
(2)	Rama Rao Bisa	Bangalore, Karnataka, India
(3)	Sushma Basavarajaiah	Sanjaynagar, Bangalore, India
(4)	Kala Sampathkumar	Kaggadasapura, Bangalore, India
(5)	Shekar Babu Suryanarayana	Bangalore, India
(6)	Mukund Khatri	City of Austin State of Texas Country: United States
(7)	Ajay Shenoy	Malleshwaram, Bangalore, India

have invented certain improvements in a

KEY MANAGEMENT AND RECOVERY

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 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

Docket No.: 16356.1970US01 (113030.01) Customer No.: 000027683

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.

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Signed By: _	Juli -	1/30/2019
	Chitrak Gupta	Date
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Signed By:	Rama Rao Bisa	
(3)	Rama Rao Bisa	Date
Signed By:	Sushma Basavarajaiah	
	Sushma Basavarajaiah	Date
(4)		
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(5)	Kala Sampathkumar	Date
Signed By:	Shekar Babu Suryanarayana	<u> </u>
	Shekar Babu Suryanarayana	Date
(6)		
Signed By:	Mukund Khatri	<u> </u>
	Mukund Khatri	Date
(7)		
Signed By:	Ajay Shenoy	— Data
	Alay Snenoy	Date

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(1) Chitrak Gupta Bangal	ore, India
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(1)		
Signed By:		
	Chitrak Gupta	Date
(2)		
Signed By:	/RAMA RAO BISA/	01/30/2019
(3)	Rama Rao Bisa	Date
Signed By: _	Sushma Basavarajaiah	 Date
	Sustillia Dasavatajalati	Date
(4)		
Signed By		
	Kala Sampathkumar	Date
(5)		
Signed By:	Shekar Babu Suryanarayana	
	Shekar Babu Suryanarayana	Date
(6)		
Signed By: _		
	Mukund Khatri	Date
(7)		
Signed By:	Ajay Shenoy	
	Ajay Shenoy	Date

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(1)		
Signed By: _	Chitrak Gupta	 Date
(2)	Rama Rao Bisa Sushma Basavarajaiah	Date 8 ^{1h} Jan 2019 Date
(4)		
Signed By: _	Kala Sampathkumar	- Data
(5)	кага батрашкитаг	Date
Signed By: _	Shekar Babu Suryanarayana	 Date
(6)		
Signed By:	Mukund Khatri	Date
(7)		
Signed By:	Aiav Shenov	Date

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Signed By:	Sushma Basavarajaiah	 Date
(4)		
Signed By:	/Kala Sampathkumar/ Kala Sampathkumar	<u>8/1/2019</u>
(5)	Kala Sampatnkumar	Date
Signed By:	Shekar Babu Suryanarayana	Date
(6)		
Signed By:	Mukund Khatri	 Date
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Signed By:	Ajay Shenoy	 Date

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	Sushma Basavarajaiah	Date
(4)		
Signed By:	Kala Sampathkumar	
(5)	Kala Sampathkumar	Date
Signed By: _		
	Shekar Babu Suryanarayana	Date
(6)		
Signed By:	/Mukund Khatri/	Jan 15 th , 2019
	Mukund Khatri	Date
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	Ajay Shenoy	Date

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	Ajay Shenoy	Date

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Page 2 of 2