

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3244408

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the NAME OF THE 3RD INVENTOR previously recorded on Reel 029718 Frame 0642. Assignor(s) hereby confirms the 3RD INVENTOR'S 1ST NAME IS GOVINDARAJA AND HIS LAST NAME IS NAYAKA B.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TARANISEN MOHANTA	01/23/2013
SAMEER MADHU NADAGOUDA	01/23/2013
GOVINDARAJA NAYAKA B	02/26/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
<b>Street Address:</b>	11445 COMPAQ CENTER DRIVE WEST
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77070
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13752646
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(970)778-4063
<i>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.</i>	
<b>Phone:</b>	908 898-4235
<b>Email:</b>	ipa.mail@hp.com
<b>Correspondent Name:</b>	HEWLETT-PACKARD COMPANY
<b>Address Line 1:</b>	3404 E. HARMONY ROAD MS 35
<b>Address Line 2:</b>	INTELLECTUAL PROPERTY ADMINISTRATION
<b>Address Line 4:</b>	FORT COLLINS, COLORADO 80528
<b>ATTORNEY DOCKET NUMBER:</b>	83140769
<b>NAME OF SUBMITTER:</b>	PEGGY OYAMA
<b>SIGNATURE:</b>	/Peggy Oyama/
<b>DATE SIGNED:</b>	02/27/2015
<b>Total Attachments: 8</b>	

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PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table><tr><th>Name</th><th>Execution Date</th></tr><tr><td>Taranisen Mohanta</td><td>01/23/2013</td></tr><tr><td>Sameer Madhu Nadagouda</td><td>01/23/2013</td></tr><tr><td>Nayaka B Govindaraja</td><td>01/23/2013</td></tr></table>		Name	Execution Date	Taranisen Mohanta	01/23/2013	Sameer Madhu Nadagouda	01/23/2013	Nayaka B Govindaraja	01/23/2013		
Name	Execution Date										
Taranisen Mohanta	01/23/2013										
Sameer Madhu Nadagouda	01/23/2013										
Nayaka B Govindaraja	01/23/2013										
RECEIVING PARTY DATA											
<table><tr><td>Name:</td><td>Hewlett-Packard Development Company, L.P.</td></tr><tr><td>Street Address:</td><td>11445 Compaq Center Drive West</td></tr><tr><td>City:</td><td>Houston</td></tr><tr><td>State/Country:</td><td>TEXAS</td></tr><tr><td>Postal Code:</td><td>77070</td></tr></table>		Name:	Hewlett-Packard Development Company, L.P.	Street Address:	11445 Compaq Center Drive West	City:	Houston	State/Country:	TEXAS	Postal Code:	77070
Name:	Hewlett-Packard Development Company, L.P.										
Street Address:	11445 Compaq Center Drive West										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77070										
PROPERTY NUMBERS Total: 1											
<table><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>13752646</td></tr></table>		Property Type	Number	Application Number:	13752646						
Property Type	Number										
Application Number:	13752646										
CORRESPONDENCE DATA											
Fax Number: 9707784063 Phone: 908-898-4235 Email: JERRY.SHORMA@HP.COM <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: HEWLETT-PACKARD COMPANY Intellectual Pro Address Line 1: 3404 E. Harmony Road Address Line 2: Mail Stop 35 Address Line 4: FORT COLLINS, COLORADO 80528											
NAME OF SUBMITTER:	Peggy Oyama										
Signature:	/Peggy Oyama/										
Date:	01/30/2013										
Total Attachments: 2 source=83140769_assignment#page1.tif source=83140769_assignment#page2.tif											

PATENT

REEL: 035118 FRAME: 0629

RECEIPT INFORMATION

EPAS ID:	PAT2252347
Receipt Date:	01/30/2013
Fee Amount:	\$40

HEWLETT-PACKARD COMPANY  
Intellectual Property Administrator  
3404 E. Harmony Road  
Mail Stop 35  
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 83140769

### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

DATA BACKUP AND RECOVERY

Filing Date: 01/29/13

Application No.: 13/752,646

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore, and any reissues, or reexaminations, or extensions of said Patent.

I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made.

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC.

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Taranisen Mohanta  
Inventor's Signature

23/01/2013  
Date

Mohanta Taranisen  
Inventor's Typed Name

S. Nadagouda  
Inventor's Signature

25/01/2013  
Date

M. Nadagouda Sameer  
Inventor's Typed Name

HEWLETT-PACKARD COMPANY  
Intellectual Property Administrator  
3404 E. Harmony Road  
Mail Stop 35  
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 83140769

ASSIGNMENT OF PATENT APPLICATION (cont.)

*Guad*  
Inventor's Signature

*23<sup>rd</sup> Jan 2013*  
Date

Nayaka B Govindaraja  
Inventor's Typed Name

Inventor's Signature

Date

Inventor's Typed Name

Inventor's Signature

Date

Inventor's Typed Name

Inventor's Signature

Date

Inventor's Typed Name

Inventor's Signature

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Date

Inventor's Typed Name

HEWLETT-PACKARD COMPANY  
Intellectual Property Administrator  
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Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 83140769

ASSIGNMENT OF PATENT APPLICATION (cont.)

*Govind*  
Inventor's Signature \_\_\_\_\_ Date 26<sup>th</sup> Feb 2015

Govindaraja                      Nayaka B  
First/Middle Name              Last Name

\_\_\_\_\_  
Inventor's Signature                      Date

\_\_\_\_\_  
First/Middle Name                      Last Name

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Inventor's Signature                      Date

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First/Middle Name                      Last Name

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Inventor's Signature                      Date

\_\_\_\_\_  
First/Middle Name                      Last Name

\_\_\_\_\_  
Inventor's Signature                      Date

\_\_\_\_\_  
First/Middle Name                      Last Name

\_\_\_\_\_  
Inventor's Signature                      Date

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First/Middle Name                      Last Name