PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3462499

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM G HORNE	02/01/2013
THOMAS SANDER	02/02/2013
KRISHNAMURTHY VISWANATHAN	02/01/2013
SIVA RAJ RAJAGOPALAN	02/20/2013
ANURAG SINGLA	02/01/2013

RECEIVING PARTY DATA

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

Property Type	Number
Application Number:	14764670

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: 9708987444

Email: hpe.ipa.mail@hp.com

Correspondent Name: HEWLETT-PACKARD COMPANY **Address Line 1:** 3404 E. HARMONY ROAD, M/S 79

Address Line 2: INTELLECTUAL PROPERTY ADMINISTRATION

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84312830
NAME OF SUBMITTER:	DENISE HENNING-WILSON
SIGNATURE:	/Denise Henning-Wilson/
DATE SIGNED:	07/30/2015

Total Attachments: 8

PATENT REEL: 036216 FRAME: 0833

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PATENT REEL: 036216 FRAME: 0834 HEWLETT-PACKARD COMPANY Intellectual Property Administrator
3404 E. Harmony Road
Mail Stop 35 Fort Collins, Colorado 80528

Rev 10/2012 (Assignment)

PATENT APPLICATION

RECORD ID:	83138399
1100011010	

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 furthers DEVELOPMENT COMPANY, L.P., a Texas Limited Partners Texas, (hereinafter HPDC), and to its subsidiaries and affiliate assigns, the entire right, title and interest, including the right entitled:	ship having its principal place of business in Houston, es, to assign and transfer to HPDC, its successors and
TARGETED SECURITY ALERTS	
	pplication No.:
and the invention(s) and improvement(s) set forth therein, and divisionals, and renewals of and substitutes for said application countries thereto which may be granted thereon or therefore; as Patent.	on for said Patent, and any and all other Patent of any
I/we additionally authorize HPDC to file applications in my/o by HPDC, its successors, assigns, nominees or legal represent Patent respectively may be granted, reissued or extended, as fenjoyed by me/us had this assignment, and transfer not been market.	atives, to the full end of the term or terms for which said fully and entirely as the same would have been held and
AND I/we hereby covenant that I/we have full right to convey executed and will not execute any agreement in conflict herewith time a request is made, and without undue delay, execute and deperfect the title to said invention(s) or improvement(s), said application and said properties or legal representatives, and I/we agree to communicate said invention(s) or improvement(s), said application and said Properties, to execute all disclaimers and divisionals, continuation rightful oaths and declarations, and generally to do everything and legal representatives to obtain and enforce, for its or their over improvement(s) in any and all countries provided the expension of the expension	n, and I/we further covenant and agree that I/we will, each eliver all such papers as may be necessary or desirable to cation and said Patent, to HPDC, its successors, assigns, ete to HPDC, or to its nominee, all known facts respecting attent, to testify in any legal proceedings, to sign all lawfuls, C-I-P's, reissue and foreign applications, to make all possible to aid HPDC, its successors, assigns, nominees on benefit, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any applications as aforesaid, to issue to HPDC, as assignee of the invention(s) or improvement(s) which may be issued and graaccordance with the terms of this assignment.	entire right, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record application for Patent, now identified by the Record ID and title so known to them.	to insert the filing date and application number of said at forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our hand	l(s) and seal(s):
William & Hone	2/1/2013 Date Assignment Signed
Inventor's Signature	Date Assignment Signed
	2/1/2013
Milliam G. Horne Inventor's Typed Name	Date Application Signed
Înventor's Signature	Date Assignment Signed
Tomas Sandar	
Tomas Sander Inventor's Typed Name	Date Application Signed

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83138399
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Inventor's Signature	Date Assig	nment Signed
Krishnamurthy Viswanathan		
Inventor's Typed Name	Date Appli	cation Signed
Inventor's Signature	Date Assig	nment Signed
Siva Raj Rajagopalan		
Inventor's Typed Name	Date Appli	cation Signed
Inventor's Signature	Date Assig	nment Signed
Anurag Singla	•	
Inventor's Typed Name	Date Appli	cation Signed
Inventor's Signature	. Date Assig	nment Signed
Inventor's Typed Name	Date Appli	cation Signed
Inventor's Signature	Date Assig	nment Signed
Inventor's Typed Name	Date Appli	cation Signed
Inventor's Signature	Date Assig	nment Signed

Rev 10/2012 (Assignment)

Inventor's Typed Name

Page 2 of 2

Date Application Signed

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

DATEME	APPI	ICATION

RECORD ID: 83138399	
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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agreeipt of which is hereby acknowledged, and in furtherance - DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership h Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to assigns, the entire right, title and interest, including the right of prentitled:	of my/our obligations to HEWLETT-PACKARD aving its principal place of business in Houston, assign and transfer to HPDC, its successors and
TARGETED SECURITY ALERTS	
Filing Date: HEREWITH Applic	ation No.:
and the invention(s) and improvement(s) set forth therein, and any a divisionals, and renewals of and substitutes for said application for countries thereto which may be granted thereon or therefore; and any Patent.	said Patent, and any and all other Patent of any
I/we additionally authorize HPDC to file applications in my/our nan by HPDC, its successors, assigns, nominees or legal representatives, Patent respectively may be granted, reissued or extended, as fully ar enjoyed by me/us had this assignment, and transfer not been made;	to the full end of the term or terms for which said
AND I/we hereby covenant that I/we have full right to convey the elexecuted and will not execute any agreement in conflict herewith, and time a request is made, and without undue delay, execute and deliver a perfect the title to said invention(s) or improvement(s), said application nominees or legal representatives, and I/we agree to communicate to I said invention(s) or improvement(s), said application and said Patent, papers, to execute all disclaimers and divisionals, continuations, C-I rightful oaths and declarations, and generally to do everything possib and legal representatives to obtain and enforce, for its or their own ben improvement(s) in any and all countries provided the expenses w cooperation and assistance are paid by HPDC;	I/we further covenant and agree that I/we will, each all such papers as may be necessary or desirable to and said Patent, to HPDC, its successors, assigns, HPDC, or to its nominee, all known facts respecting to testify in any legal proceedings, to sign all lawful -P's, reissue and foreign applications, to make all et o aid HPDC, its successors, assigns, nominees efft, proper patent protection for said invention(s) or hich may be incurred by me/us in lending such
AND I/we hereby authorize and request the official of any countrapplications as aforesaid, to issue to HPDC, as assignee of the entire invention(s) or improvement(s) which may be issued and granted accordance with the terms of this assignment.	right, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to instapplication for Patent, now identified by the Record ID and title set forth known to them.	
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) an	d seal(s):
Inventor's Signature	Date Assignment Signed
William G. Home	Date Application Signed
Inventor's Typed Name	Date Application Signed
o 1	
'nventor's Signature	Date Assignment Signed
Tomas Sandar (Ms A	2-2-65
Tomas Sander Inventor's Typed Name	Date Application Signed
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Rev 10/2012 (Assignment)

Page 1 of 2

HEWLETT-PACKARO COMPANY Intellectual Property Administrator 3484 E. Harmony Road Mail Stop 35 Fort College, Colorado 89528

PATENT APPLICATION

Mail Stop 35	RECORD ID:	83138399
Fort Collins, Colorado 8/3528		00.000
ASSIGNMENT	FOF PATENT APPLICATION (cont.)	
Inventor's Signature	Date	and the same and t
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Inventor's Signature	Dale	January
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Siva Raj Rajagopalan Inventor's Typed Name		
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Investor's Signature	Date	
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Page 2 of 2

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

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RECORD ID; 83138399

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:

Filing Date: HEREWITH

Application No.:

and the Invention(s) and Improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewels 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

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 seld 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 Itwe hereby covenant that Itwe have full right to convey the entire interest herein essigned, and that Itwe have not executed and will not execute any agreement in conflict herewith, and Itwe further covenant and agree that Itwe 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(a) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, nominees or legal representatives, and time agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(a) 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 landing such cooperation and assistance are paid by HPDC;

AND live heraby 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 seld 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):

Inventor's Signature	Date Assignment Signed
William G, Horne Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Tomes Sender Inventor's Typed Name	Date Application Signed

Rev 10/2012 (Assignment)

Page 1 of 2

PATENT REEL: 036216 FRAME: 0839. HEWLETT-PACKARD OOMPANY Intellectual Property Administrator

PATENT APPLICATION

3404 E, Hermony Road Mail Stop 36	RECORD ID: 83138399
Fort Collins, Colorado 80528 ASSIGNMENT	OF PATENT APPLICATION (cont.)
nventor's Signature	Date Assignment Signed
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Krishnamurthy Viswanathan	Outs Application Disposed
Inventor's Typed Name	Date Application Signed
nventor's Signature	Date Assignment Signed
mverkura dignature	para Manifer it Office
Siva Raj Rajagopalan	
Inventor's Typed Name	Date Application Signed
N . 21-	701.1.2
inventor's Signature	Date Assignment Signed
inventor e Signatule	
Anureg Single	02/01/13 Date Application Signed
Inventor's Typed Name	Date Application Signed
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Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
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inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
nventor's Signature	Date Assignment Signed
nventor's Typed Name	Date Application Signed

Page 2 of 2

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

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RECORD ID:	83138399
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ASSIGNMENT OF PATENT APPLICATION

receipt of which is hereby acknowledged, and in functional DEVELOPMENT COMPANY, L.P., a Texas Limited Patexas, (hereinafter HPDC), and to its subsidiaries and a	I hereby agree, that for good and valuable consideration, the urtherance of my/our obligations to HEWLETT-PACKARD artnership having its principal place of business in Houston, affiliates, to assign and transfer to HPDC, its successors and a right of priority, in, to and under an application for Patent
Filing Date: HEREWITH	Application No.:
divisionals, and renewals of and substitutes for said app	i, and any and all continuations, continuations-in-part (C-I-P's), plication for said Patent, and any and all other Patent of any ore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assigns, nominees or legal repr	my/our name for Patent in any country, to be held and enjoyed resentatives, to the full end of the term or terms for which said it, as fully and entirely as the same would have been held and en made:
executed and will not execute any agreement in conflict he time a request is made, and without undue delay, execute perfect the title to said invention(s) or improvement(s), said nominees or legal representatives, and I/we agree to compare to execute all disclaimers and divisionals, continuity to execute all disclaimers and divisionals, continuity to execute all disclaimers and divisionals, continuity to disclaim and enforce, for its or the said application and enforce, for its or the time of the said applications.	convey the entire interest herein assigned, and that I/we have not be rewith, and I/we further covenant and agree that I/we will, each and deliver all such papers as may be necessary or desirable to application and said Patent, to HPDC, its successors, assigns, municate to HPDC, or to its nominee, all known facts respecting said Patent, to testify in any legal proceedings, to sign all lawful mustions. C-I-P's, reissue and foreign applications, to make all thing possible to aid HPDC, its successors, assigns, nominees neir own benefit, proper patent protection for said invention(s) or expenses which may be incurred by me/us in lending such
applications as aforesaid, to issue to HPDC, as assignee	If any country or countries whose duty it is to issue patents on of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
I/we further authorize and direct the attorneys of reapplication for Patent, now identified by the Record ID and known to them.	ecord to insert the filing date and application number of said title set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our	hand(s) and seal(s):
Inventor's Signature	Date Assignment Signed
Milliam G. Horne Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Tomas Sander	

Rev 10/2012 (Assignment) Page 1 of 2

Inventor's Typed Name

Date Application Signed

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Hamtony Road Mail Stop 35

PATENT APPLICATION

3404 E. Harmony Road Mail Stop 35	RECORD ID:83138399
Fort Collins, Colorado 80528	
ASSIGNMENT	OF PATENT APPLICATION (cont.)
V. Kulimily	02/01/13
Inventor's Signature	Date Assignment Signed
Krishnamurthy Viswanathan	
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Siva Raj Rajagopalan	
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Anurag Singla	
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Page 2 of 2

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