502450212 08/07/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Guido Laubner	08/05/2013
Swamy Jagannadha Mandavilli	07/31/2013
Robert Lovejoy Raymond	07/30/2013

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:	13960747

CORRESPONDENCE DATA

Fax Number: 9707784063

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (541)715-8443

Email: pto.assignments@hp.com

Correspondent Name: Hewlett-Packard Company

Address Line 1: 3404 E. Harmony Road MS 35

Address Line 2: Intellectual Property Administration

Address Line 4: Fort Collins, COLORADO 80528

NAME OF SUBMITTER:	Amber Marie Ezell
Signature:	/Amber Marie Ezell, Reg. No. 68,217/
Date:	08/07/2013

Total Attachments: 3

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> PATENT REEL: 030965 FRAME: 0244

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

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RECORD ID:	83272431

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree receipt of which is hereby acknowledged, and in furtherance of DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership havi Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to assassigns, the entire right, title and interest, including the right of prior entitled:	my/our obligations to HEWLETT-PACKARD ing its principal place of business in Houston, sign and transfer to HPDC, its successors and
IDENTIFIER MANAGEMENT	
Filing Date: Applicati	on No.:
and the invention(s) and improvement(s) set forth therein, and any and divisionals, and renewals of and substitutes for said application for sai countries thereto which may be granted thereon or therefore; and any repatent.	id Patent, and any and all other Patent of any
I/we additionally authorize HPDC to file applications in my/our name by HPDC, its successors, assigns, nominees or legal representatives, to Patent respectively may be granted, reissued or extended, as fully and enjoyed by me/us had this assignment, and transfer not been made;	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 entire executed and will not execute any agreement in conflict herewith, and I/witime a request is made, and without undue delay, execute and deliver all sperfect the title to said invention(s) or improvement(s), said application are nominees or legal representatives, and I/we agree to communicate to HP said invention(s) or improvement(s), said application and said Patent, to papers, to execute all disclaimers and divisionals, continuations, C-I-P'rightful oaths and declarations, and generally to do everything possible and legal representatives to obtain and enforce, for its or their own benefil improvement(s) in any and all countries provided the expenses which cooperation and assistance are paid by HPDC;	re further covenant and agree that I/we will, each such papers as may be necessary or desirable to desire and patent, to HPDC, its successors, assigns, DC, or to its nominee, all known facts respecting testify in any legal proceedings, to sign all lawful is, reissue and foreign applications, to make all to aid HPDC, its successors, assigns, nominees it, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any country applications as aforesaid, to issue to HPDC, as assignee of the entire ri invention(s) or improvement(s) which may be issued and granted on accordance with the terms of this assignment.	oht, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to insert application for Patent, now identified by the Record ID and title set forth a known to them.	the filing date and application number of said bove, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and	seal(s):
apolo let	August SK, 2013
Inventor's Signature	Date
Guido Laubner Inventor's Typed Name	
Historica of Phone comme	
Inventor's Signature	Date
Swamy Jagannadha Mandavilli	
Inventor's Typed Name	
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator

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3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83272431
:	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 ac	knowledged, and in furtherance of my/our obligat	tions 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: **IDENTIFIER MANAGEMENT** Filing Date: 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 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 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 paths 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): Inventor's Signature Date Guido Laubner

Inventor's Typed Name Inventor's Signature Date Swamy Jagannadha Mandavilli inventor's Typed Name

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

PATENT APPLICATION

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