502729921 03/20/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2776527

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANBUMANI SUBRAMANIAN	10/25/2010
VINOD PATHANGAY	11/08/2010
DINESH MANDALAPU	10/22/2010

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:	12977065

CORRESPONDENCE DATA

Fax Number: (970)778-4063

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

 Phone:
 5417158443

 Email:
 ipa.mail@hp.com

Correspondent Name: HEWLETT-PACKARD COMPANY **Address Line 1:** 3404 E. HARMONY ROAD, M/S 35

Address Line 2: INTELLECTUAL PROPERTY ADMINISTRATION

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	82263248
NAME OF SUBMITTER:	DENISE HENNING-WILSON
SIGNATURE:	/Denise Henning-Wilson/
DATE SIGNED:	03/20/2014

Total Attachments: 3

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PATENT 502729921 REEL: 032480 FRAME: 0580

HEWLETT-PACKARD COMPANY Intellectuel Property Administrator 3404 E. Harmony Road

Rev 10/09 (Assignment)

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	AT	TORNEY DOCKET NO	201000524-2
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DEVELOPMENT COMPANY, I Texas, (hereinafter HPDC), i subsidiaries and affiliates, and	ASSIGNMENT OF PATENT API gned (each) have agreed and heret L.P., a Texas Limited Partnership hav in furtherance of my/our obligations do hereby assign and transfer to HPDI right of priority, in, to and under an app	by agree to assign to ring its principal place o to the Hewlett-Packa C, its successors and a plication for Letters Pate	f business in Houston, and Company and its ssigns, the entire right,
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Filing Date:			······································
and the invention(s) and impro P's), divisionals, and renewals. Patent of the United States an reissues, or reexaminations, or I/we additionally author held and enjoyed by HPDC, its terms for which said Letters Pasame would have been held an AND I/we hereby cover we have not executed and will that I/we will, each time a requirecessary or desirable to perfer Patent, to HPDC, its successor HPDC, or to its nominee, all known that I/we will, each time a requirecessary or desirable to perfer Patent, to HPDC, its successor HPDC, or to its nominee, all known that I/we will, each time a requirecessary or desirable to perfer Patent, to HPDC, its successor HPDC, or to its nominee, all known the countries provided the expense paid by HPDC; AND I/we hereby authorize here to said invention(s) or its patent for said invention(s) or its essued and granted on or as I/we further authorize application now identified by the	Application wement(s) set forth therein, and any a of and substitutes for said application and of countries foreign thereto which restantions of said Letters Patent, wise HPDC to file applications in my/ou successors, assigns, nominees or legisteric respectively may be granted, relied enjoyed by me/us had this assignme anant that I/we have full right to convey not execute any agreement in conflict set is made, and without undue delay, and the title to said invention(s) or imports, assigns, nominees or legal representant facts respecting said invention(s) and foreign applications, to make all melfit, proper patent protection for said as which may be incurred by me/us in confice and request the Commissioner of your countries foreign to the United sue to HPDC, as assignee of the entimprovement(s), including any and all a result of the application aforesaid, in and direct the attorneys of record to the entimprovement(s) are plication aforesaid, in and direct the attorneys of record to the entimprovement of the application aforesaid, in and direct the attorneys of record to the entimprovement of the application aforesaid, in and direct the attorneys of record to the entimprovement of the application aforesaid, in and direct the attorneys of record to the entimprovement of the application aforesaid.	nd all continuations, cor for said Letters Patent, a nay be granted thereon ir name for Letters Paten al representatives, to the scued or extended, as fi nt, and transfer not beer in the entire interest here herewith, and I/we furth execute and deliver all a rovement(s), said application in improvement(s), said pers, to execute all disci- ghtful caths and declara neas and legal represe Invention(s) or improve lending such cooperation of Patents and Trademark States whose duty it in ire right, title and interest Letters Patent of the Un accordance with the ter insert the serial number it forth above as soon a	and any and all Letters or therefore; and any at in any country, to be a full end of the term or ully and entirely as the made; in assigned, and that I/er covenant and agree such papers as may be atton and said Letters are to communicate to id application and said aimers and divisionally to intatives to obtain and ament(s) in any and all con and assistance are ks of the United States to issue patents on st, any and all Letters inted States which may ms of this assignment, and filling date of said
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Inventra's Signature		Date Assignment Signed	
Anbumani SUSRAMANIAN Siventor's Typed Name		25 OVE Date Application Signed	<u>'10</u>
Inventor's Signature Vinod PATHANGAY		Date Assignment Signed	
Inventor's Typed Name		Date Application Signed	, managaman managama

Page 1 of 3

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

Rev 10/09 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. 201000524-2

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston,

Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and is subsidiaries and affiliates, and do hereby 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 Letters Patent of the United State entitled:	
HAND GESTURE RECO	GNITION
Filing Date: Applica	tion No.
Application No.: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (CoP's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letter Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and arreissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be all and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the terms for which said Letters 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 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 Letter Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate in HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally it do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain an enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and a countries provided the expenses which	
nventor's Signature	Date Assignment Signed
Anbumani SUBRAMANIAN nventor's Typed Name	Date Application Signed
nventor's Signature /inod PATHANGAY	8-NoV-201D Date Assignment Signed 8-NOV-201D Date Application Signed
nventor's Typed Name	Date Application Signed

Page 2 of 3

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

PATENT APPLICATION

ASSIGNMENT OF PATENT A	DBI ICATION (come)
M. Dinet	22 / oct /2010
Inventor's Signature	
Medical Seconds and	Date Assignment Signed 22 CCF 20 C
Dinesh MANDALAPU Inventor's Typed Name	Date Application Signed
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Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
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nventor's Typed Name	Date Application Signed

Page 3 of 3

PATENT REEL: 032480 FRAME: 0583

RECORDED: 03/20/2014

Rev 10/09 (Assignment)