# 504148291 12/21/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4194964

Property Type		Number	
PROPERTY NUMBERS	6 Total: 1		
Postal Code:	77070		
State/Country:	TEXAS		
City:	Houston		
Street Address:	11445 Compaq Center Drive West		
Name:	Hewlett-Packard Development Company, L.P.		
RECEIVING PARTY D	ATA		
ADARSH THIMMAPPA			04/29/2014
PRASHANT ASTHANA			04/29/2014
Name			Execution Date
CONVEYING PARTY D	ΑΤΑ		
ASSIGNMENT			
SUBMISSION TYPE: NEW ASSIGNMENT			

Property Type	Number
PCT Number:	US2015012041

## CORRESPONDENCE DATA

Fax Number:(970)778-4063Correspondence 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:	(541)	715-8443		
Email:	ipa.m	ail@hp.com		
Correspondent Name:	HP INC.			
Address Line 1:	3390 E. HARMONY ROAD MS 35			
Address Line 2:	INTELLECTUAL PROPERTY			
Address Line 4:	FORT COLLINS, COLORADO 80528			
ATTORNEY DOCKET NUMBER:		84541349		
NAME OF SUBMITTER:		ANN WEBSTER JESUS		
SIGNATURE:		/Ann Webster Jesus/		

12/21/2016

DATE SIGNED: Total Attachments: 2

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84541349

HEWLETT-PACKARD COMPANY		PATENT APPLICATION
Intellectual Property Administrator		
3404 E. Harmony Road		~~~~~
Mail Stop 35	RECORD ID:	83936388
Fort Collins, Colorado 89528		

#### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersioned (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:

#### MACHINE-READABLE WATERMARKS AND BARCODES IN IMAGES

January 20, 2015 Filing Date:

Application No.:

PCT/US2015/012041

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.

t/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 l/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 caths 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 l/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):

at Arthan 29/04/2014 ature Date

Inventor's Signature

Prashant Asthana Inventor's Typed Name

Inventor's Signature

Date

Adarsh Thimmappa Inventor's Typed Name

Rev 1/2013 (Assignment)

Page 1 of 1

PATENT REEL: 041089 FRAME: 0800

HEVILETT PACKARD COMPANY		PATENT APPLICATION
Intellectual Property Administrator 3404 E. Hermony Road	RECORD (D:	83936388
Mail Stop 35 Fort Collins, Colorado 80628		

#### 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 HEVILETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPOC), and to its subsidianes and affiliates, to assign and transfer to MPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

#### MACHINE-READABLE WATERMARKS AND BARCODES IN IMAGES

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 thereion or therefore; and any reissues, or reexaminations, or extensions of said Patent.

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AND l/we hereby authorize and request the official of any country or countries whose duty it is to issue patients on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patient 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 allorneys 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 bereunto set my/our hand(s) and seal(s):

Triventor's Gignature		Dates
	Sec	
Prasharit Astharia Inventor's Typed Name		
		29-04-2014
Inventor's Signature		Date
Adarsh Thinmagua Invenitor's Typed Name		
Rev 1/2013 (Assignment)	Page 1 of 1	

### PATENT REEL: 041089 FRAME: 0801

**RECORDED: 12/21/2016**