

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIN WANG	09/03/2014
JUN LU	09/03/2014
LINGYAN MENG	09/03/2014
BING GU	09/03/2014
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<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15329806
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<b>SIGNATURE:</b>	/John E. Nemazi/
<b>DATE SIGNED:</b>	01/27/2017
<b>Total Attachments: 2</b>	
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HEWLETT-PACKARD COMPANY  
Intellectual Property Administrator  
3404 E. Harmony Road  
Mail Stop 36  
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 83954419

### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), 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, agree to assign and transfer and 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 Patent entitled:

### SCREEN-IMAGE BASED CLASSIFICATION

Filing Date: 03 Sep 2014

Application No.: PCT/CN2014/088794

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 renewals, or re-examinations, 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 terms or terms for which said Patent respectively may be granted, renewed 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, renewals 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 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):

Jun Wang Date: 09/03/2014  
Inventor's Signature

Jun Wang  
First/Middle Name Last Name

Jun Lu Date: 2014.9.3  
Inventor's Signature

Jun Lu  
First/Middle Name Last Name

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PATENT APPLICATION

RECORD ID: 83854418

ASSIGNMENT OF PATENT APPLICATION (cont.)

*Lingyan Meng* \_\_\_\_\_ Date *Sep. 03, 2014*  
Inventor's Signature \_\_\_\_\_ Date

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*Guo Bing* \_\_\_\_\_ Date *03/09/2014*  
Inventor's Signature \_\_\_\_\_ Date

Bing Guo  
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*Ke-Ke Guo* \_\_\_\_\_ Date *03/09/2014*  
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