# PATENT ASSIGNMENT

# Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:			NEW ASSIGNMENT						
NATURE OF CONVE	YANCE:		ASSIGNMENT						
CONVEYING PARTY DATA									
		N	lame	Execution Date					
Thomas E. CONKLIN				09/24/2012					
Vinay SAXENA				09/20/2012					
Patrick McGEER				09/20/2012					
RECEIVING PARTY D	ΑΤΑ								
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Street Address:	11445 Compa	aq Cen	iter Drive West						
City:	Houston								
State/Country:	TEXAS								
Postal Code:	77070								
	RS Total: 1								
Property T	уре		Number						
Application Number:		13625	575	136					
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Fax Number:	9707784	063							
Correspondence will L	be sent via US l	Mail w	hen the fax attempt is unsuccessful.	H					
Phone:	(541)715								
Email:			ts@hp.com						
Correspondent Name: Hewlett-Packard Company   Address Line 1: 3404 E. Harmony Road MS 35									
Address Line 1:3404 E. Harmony Road MS 35Address Line 2:Intellectual Property Administration									
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NAME OF SUBMITTER: Timothy B. Kang									
NAME OF SUBMITTE									
Total Attachments: 3 source=83012317-A#p source=83012317-A#p source=83012317-A#p	age2.tif								
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3	3404 E. Harmony Ro	<b>31</b>				1월 6일 전 2012년 1월 24일		그는 말을 알고 있는	아파 국민이가 제공 것이는 것이다.
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#### 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 its subsidiarles and affiliates, and do hereby assign and transfer to HPDC, its successors and assigns, the entire right, the and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

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<u>C.</u>]. P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Palent.

I/we additionally authorize HPDC to file applications in my/our name for Letters 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 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 I/ we have not executed and will not execute any agreement in conflict herewith, and l/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 Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and live agree to communicate to 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 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 lending such cooperation and assistance are paid by HPDC;

AND l/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States 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 Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aloresaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the Record ID and title set forth above as soon as the same shall have been made known to them by the United States Ratent and Trademark Office.

Inventor's Signature

Thomas E. Conklin

Inventor's Typed Name

Date Assignment Sig

Date Application/Signed

Inventor's Signature

Venny Saxena Inventor's Typed Name Date Assignment Signed

Date Application Signed

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Page 1 of 2

PATENT REEL: 029232 FRAME: 0133 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID:

83012317

## ASSIGNMENT OF PATENT APPLICATION

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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 Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, 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 held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or 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 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 Letters 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 Letters 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 lending such cooperation and assistance are paid by HPDC;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States 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 Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

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Inventor's Signature

Thomas E. Conklin Inventor's Typed Name

Javes

Inventor's Signature

Vinay Saxena Inventor's Typed Name

Rev 09/11 (Assignment)

Page 1 of 2

PATENT REEL: 029232 FRAME: 0134

Date Assignment Signed **Date Application Signed** 

09/20/2012 Date Assignment Signed 09/20/2012 Date Application Signed ABSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature

SEP 7 Date Assignment Signed 2012-20 20,2012

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Patrick McGeer Inventor's Typed Name

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Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
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RECORDED: 11/02/2012