#### 502125797 11/12/2012

# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Shih-Wei SUN	11/02/2012
Charles N. SHAVER	10/01/2012

#### **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:	13628934

# **CORRESPONDENCE DATA**

9707784063 Fax Number:

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: Kubae Kim

Total Attachments: 2

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> **PATENT REEL: 029282 FRAME: 0728**

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

PATENT	APPL	<b>ICATION</b>
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RECORD ID:	83093900
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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 of subsidiaries and affiliates, and do hereby assign and transfittle and interest, including the right of priority, in, to and un entitled:  CIRCUITRY AND METHODS FOR SWITCHING POWER	er to HPDC, its successors and assigns, the entire right
Filing Date: September 27, 2012	Application No.: 13/628934
held and enjoyed by HPDC, its successors, assigns, nomine terms for which said Letters Patent respectively may be gr same would have been held and enjoyed by me/us had this AND I/we hereby covenant that I/we have full right we have not executed and will not execute any agreement that I/we will, each time a request is made, and without und necessary or desirable to perfect the title to said invention Patent, to HPDC, its successors, assigns, nominees or le HPDC, or to its nominee, all known facts respecting said in Letters Patent, to testify in any legal proceedings, to sign all continuations, C-I-P's, reissue and foreign applications, to rido everything possible to aid HPDC, its successors, assigneforce, for its or their own benefit, proper patent protection countries provided the expenses which may be incurred by paid by HPDC;  AND I/we hereby authorize and request the Command any official of any country or countries foreign to the applications as aforesaid, to issue to HPDC, as assignee Patent for said invention(s) or improvement(s), including and be issued and granted on or as a result of the application aforesaid.	polication for said Letters Patent, and any and all Letters to which may be granted thereon or therefore; and any atent.  s in my/our name for Letters Patent in any country, to be sees or legal representatives, to the full end of the term of anted, reissued or extended, as fully and entirely as the assignment, and transfer not been made; to convey the entire interest herein assigned, and that I in conflict herewith, and I/we further covenant and agreeue delay, execute and deliver all such papers as may be (s) or improvement(s), said application and said Letters gal representatives, and I/we agree to communicate to execute all disclaimers and divisionals make all rightful oaths and declarations, and generally to gos, nominees and legal representatives to obtain and me/us in lending such cooperation and assistance are inscioner of Patents and Trademarks of the United States are United States whose duty it is to issue patents or of the entire right, title and interest, any and all Letters by and all Letters Patent of the United States which may bresaid, in accordance with the terms of this assignment, record to insert the serial number and filing date of said with above as soon as the same shall have been made of the united States which may be the same shall have been made of the united States which may be the same shall have been made of the united States which may be the same shall have been made of the united States which may be the same shall have been made of the united States which may be the same shall have been made of the united States which may be the same shall have been made of the united States which may be the same shall have been made of the united States whose united states which may be the same shall have been made of the united States whose united states which may be the same shall have been made of the united states whose united states whose united states which may be the same shall have been made of the united states whose united states whose united states whose united states are states and the
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Inventor's Signature	Date Assignment Signed
Shih-Wei Sun	2012 / 11 / 02
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Charles N Shaver	
Inventor's Typed Name	Date Application Signed

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 34 M Fr

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ort Collins, Colorado 80528		

## **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

subsidiaries an title and interes entitled:	id affiliates, and do hereby assign and	d transfer to HPDC, its successors and assigns, the entire right, and under an application for Letters Patent of the United States
Filing Date:	September 27, 2012	Application No.: 13/628934
P's), divisionals Patent of the I reissues, or rei I/we a held and enjoy terms for which same would ha AND we have not eithat I/we will, e necessary or c Patent, to HPI HPDC, or to its Letters Patent, continuations, do everything enforce, for its countries provi paid by HPDC; AND and any officia applications as Patent for said be issued and I/we application not	s, and renewals of and substitutes for United States and of countries foreign examinations, or extensions of said Leadditionally authorize HPDC to file appet by HPDC, its successors, assigns in said Letters Patent respectively make been held and enjoyed by me/us. If I/we hereby covenant that I/we have executed and will not execute any agree asch time a request is made, and with desirable to perfect the title to said in DC, its successors, assigns, nomined in the said in the expenses which may be incomined to any country or countries foreign aforesaid, to issue to HPDC, as as I invention(s) or improvement(s), inching granted on or as a result of the application of the authorize and direct the attornal countries are suited to the attornal countries and direct the attornal countries are countries for any countries and direct the attornal countries for any countries and direct the attornal countries for any c	plications in my/our name for Letters Patent in any country, to be a nominees or legal representatives, to the full end of the term or my be granted, reissued or extended, as fully and entirely as the had this assignment, and transfer not been made; full right to convey the entire interest herein assigned, and that I/seement in conflict herewith, and I/we further covenant and agree tout undue delay, execute and deliver all such papers as may be executed invention(s) or improvement(s), said application and said Letters es or legal representatives, and I/we agree to communicate to great invention(s) or improvement(s), said application and said esign all lawful papers, to execute all disclaimers and divisionals, ons, to make all rightful oaths and declarations, and generally to urs, assigns, nominees and legal representatives to obtain and protection for said invention(s) or improvement(s) in any and all urred by me/us in lending such cooperation and assistance are a Commissioner of Patents and Trademarks of the United States on assignee of the entire right, title and interest, any and all Letters unding any and all Letters Patent of the United States which may ration aforesaid, in accordance with the terms of this assignment, news of record to insert the serial number and filling date of said le set forth above as soon as the same shall have been made
Inventor's Signat	ture	Date Assignment Signed
Shih-Wei Sun		
Inventor's Typed	(h 1444)	Date Application Signed  //// // Date Assignment Signed
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