## 504120543 12/02/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

#### **CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| CHIEN-HUA CHEN  | 05/08/2014     |
| THOMAS R STRAND | 05/09/2014     |
| MICHAEL G GROH  | 05/09/2014     |

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| Postal Code:    | 77070                                     |  |  |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15308562 |

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NAME OF SUBMITTER: KUBAE KIM

SIGNATURE: /Kubae Kim/

DATE SIGNED: 12/02/2016

**Total Attachments: 2** 

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PATENT 504120543 REEL: 040494 FRAME: 0866

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

Rev 1/ 2013 (Assignment)

## PATENT APPLICATION

| RECORD ID: | 83820364 |
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## ASSIGNMENT OF PATENT APPLICATION

IAWe, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the

| receipt of which is hen<br>DEVELOPMENT COMP.<br>Texas, (hereinalier HPDG   | eby acknowledged, i<br>ÅNY, L.P., a Texas L<br>5), and to its subsidia   | and in furtherance of imited Partnership havines and affiliates to as:  | my/our obligations to HEWLETT-PACKARD ng its principal place of business in Houston, sign and transfer to HPDC, its successors and ity, in, to and under an application for Patent  |
|--|--|---|---|
| PROCESS FOR MAKING   |  | e assembly and pr   | Inthead assembly  |
| Filing Date:   | 11-02-2016   | Applicati   | on No.: 15/308,562  |
| divisionals, and renewals  | of and substitutes for   | said application for sai  | all continuations, continuations-in-part (C-I-P's), is Patent, and any and all other Patent of any issues, or reexaminations, or extensions of said   |
| by HPDC, its successors,   | assigns, nominees or<br>se granted, reissued or  | legal representatives, to extended, as fully and  | for Patent in any country, to be held and enjoyed the full end of the term or terms for which said entirely as the same would have been held and  |
| executed and will not executive a request is made, are perfect the title to said invinominess or legal represes said invention(s) or impropapers, to execute all disrightful paths and declaration and legal representatives.  | cute any agreement in<br>nd without undue delay<br>ention(s) or improveme<br>intatives, and t/we agre-<br>vement(s), said applica<br>iclaimers and divisions<br>tions, and generally to<br>to obtain and enforce,<br>and all countries provi | conflict herewith, and I/w, execute and deliver all out (s), said application and to communicate to HP dion and said Patent, to also continuations, C-I-P do everything possible for its or their own benefit | e interest herein assigned, and that I/we have not be further covenant and agree that I/we will, each such papers as may be necessary or desirable to disaid Patent, to HPDC, its successors, assigns. DC, or to its nominee, all though facts respecting testify in any legal proceedings, to sign all lawful is, reissue and foreign applications, to make all to aid HPDC, its successors, assigns, nominees to proper patent protection for said invention(s) or himay be incurred by me/us in lending such |
| applications as aforesaid.   | to issue to HPDC, as ent(s) which may be   | assignee of the entire rig  | or countries whose duty it is to issue patents on ght, title and interest, any and all Patent for said or as a result of the application aforesaid, in  |
|  |  |   | the filing date and application number of said rove, as soon as the same shall have been made   |
| IN WITNESS WHERE   | OF, I/we hereunto se   | et my/our hand(s) and s   | seal(s):  |
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| A service of the serv |  | Mariana da  |   |
| Inventor's Signature   |  |   | Date  |
| Chien-Hua Chen   |  |   |   |
| Inventor's Typed Name  |  |   | 5/9/2014  |
| mession wongentions.   | **   |   |   |
| Thomas R Strand  |  |   |   |
| Inventor's Typed Name  |  |   |   |

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator

## PATENT APPLICATION

| 3404 E. Harmony Road<br>Mail Stop 35<br>Fort Collins, Colorado 80528 | RECORD ID: 83820364                           |
|--|---|
| muss   | NT OF PATENT APPLICATION (cont.)  5 19 120 14 |
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| Inventor's Signature   | Date  |
| Inventor's Typed Name  |   |
| Inventor's Signature   | Date  |
| Inventor's Typed Name  | ······································        |
| Inventor's Signature   | Dale  |
| Inventor's Typed Name  |   |
| Inventor's Signature   | Date  |
| Inventor's Typed Name  |   |
| Inventor's Signature   | Date  |
| Inventor's Typed Name  |   |
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