503036896 10/28/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3083494

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name                    | Execution Date |
|-------------------------|----------------|
| THOMAS P. SAWYER        | 10/23/2014     |
| JON G. LLOYD            | 04/30/2012     |
| JOHN A. WOZNIAK         | 10/24/2014     |
| CHRISTOPHER K. MATTHEWS | 10/23/2014     |

#### **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: | 14397532 |  |  |

#### **CORRESPONDENCE DATA**

**Fax Number:** (970)778-4063

Correspondence 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.mail@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

| ATTORNEY DOCKET NUMBER: | 84089267          |
|-------------------------|-------------------|
| NAME OF SUBMITTER:      | LAURA M. ZAVALA   |
| SIGNATURE:              | /Laura M. Zavala/ |
| DATE SIGNED:            | 10/28/2014        |

# **Total Attachments: 4**

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PATENT REEL: 034049 FRAME: 0079

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

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| RECORD ID: | 82964834 |  |
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|            |          |  |

## ASSIGNMENT OF PATENT APPLICATION

IMVe, 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<br>assigns, the entire right,<br>entitled:   | , agree to assign and title and interest, inci   | transfer and hereby as<br>uding the right of prio  | ssign and transfer to HPDC, its successors and<br>rity, in, to and under an application for Patent  |
|--|--|--|---|
| ENERGY STORAGE CH  | ARGING FROM AN A   | DJUSTABLE POWE   | R SOURCE  |
| Filing Date: 30 Apr 201  | 2  | Applicat   | ion No.: PCT/US2012/035886  |
| divisionals, and renewals  | of and substitutes for   | said application for sa  | d all continuations, continuations-in-part (C-I-P's) aid Patent, and any and all other Patent of any eissues, or reexaminations, or extensions of said  |
| by HPDC, its successors,   | assigns, nominees or<br>se granted, reissued or  | legal representatives, t<br>extended, as fully and   | for Patent in any country, to be held and enjoyed<br>to the full end of the term or terms for which said<br>entirely as the same would have been held and   |
| executed and will not exe-<br>time a request is made, at<br>perfect the title to said invi-<br>nominees or legal repress<br>said invention(s) or impro-<br>papers, to execute all dis-<br>rightful paths and declara-<br>and legal representatives | cute any agreement in a without undue delay, ention(s) or improveme entatives, and I/we agre vement(s), said applical sclaimers and divisionations, and generally to to obtain and enforce, find all countries provided. | conflict herewith, and I/<br>execute and deliver all<br>nt(s), said application a<br>e to communicate to HI<br>bon and said Patent, to<br>ils, continuations, C-I-F<br>do everything possible<br>or its or their own bene  | re interest herein assigned, and that I/we have no we further covenant and agree that I/we will, each such papers as may be necessary or desirable to not said Patent, to HPDC, its successors, assigns PDC, or to its nominee, all known facts respecting testify in any legal proceedings, to sign all lawfull's, reissue and foreign applications, to make all to aid HPDC, its successors, assigns, nomineer fit, proper patent protection for said invention(s) out the may be incurred by me/us in lending suct |
| applications as aforesaid,   | to issue to HPDC, as ent(s) which may be   | assignee of the entire r   | or countries whose duty it is to issue patents or<br>oght, title and interest, any and all Patent for said<br>or as a result of the application aforesaid, in   |
|  |  |  | t the filing date and application number of sak<br>above, as soon as the same shall have been made  |
| IN WITNESS WHERE   | EOF, I/we hereunto se  | t my/our hand(s) and   | seal(s);  |
| Nerves & &   | Marijilog de   |  | Oct. 23, 2014<br>Date   |
| Thomas P.  | Sawyers  |  |   |
| First/Middle Name  | Last Name  | <u></u>  |   |
| Inventor's Signature   |  |  | Date  |
| Jon G.   | Lloyd  |  |   |
| First/Middle Name  | Last Name  | And the second s |   |
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**REEL: 034049 FRAME: 0080** 

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

PATENT APPLICATION

| RECORD ID: | 82964834 |
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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 obligion subsidiaries and affiliates, and do hereby assign and transfer to title and interest, including the right of priority, in, to and under a entitled:  ENERGY STORAGE CHARGING FROM AN ADJUSTABLE PORTION AND ADJUSTABLE PORTION A | HPDC, its successors and assigns, the entire right<br>an application for Letters Patent of the United State:   |
|--|--|
| Filing Date: App   | dication No.:  |
| and the invention(s) and improvement(s) set forth therein, and a P's), divisionals, and renewals of and substitutes for said applications of the United States and of countries foreign thereto with reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in a held and enjoyed by HPDC, its successors, assigns, nominees of terms for which said Letters Patent respectively may be granted same would have been held and enjoyed by me/us had this assignate would have been held and enjoyed by me/us had this assignate would have been held and enjoyed by me/us had this assignate would have been held and enjoyed by me/us had this assignate would have been held and enjoyed by me/us had this assignate would have been held and enjoyed by me/us had this assignate would have been held and enjoyed by me/us had this assignate would represent the countries and without undue do necessary or desirable to perfect the title to said invention(s) on Patent, to HPDC, its successors, assigns, nominees or legal in HPDC, or to its nominee, all known facts respecting said inventional testing to the testify in any legal proceedings, to sign all lawficcentinuations, C-I-P's, relssue and foreign applications, to make do everything possible to aid HPDC, its successors, assigns, enforce, for its or their own benefit, proper patent protection for countries provided the expenses which may be incurred by me/paid by HPDC;  AND I/we hereby authorize and request the Commission and any official of any country or countries foreign to the Ur applications as aforesaid, to issue to HPDC, as assignee of the Patent for said invention(s) or improvement(s), including any and be issued and granted on or as a result of the application aforesa I/we further authorize and direct the attorneys of recomposition on identified by the Record ID and title set forth a known to them by the United States Patent and Trademark Office  | ation for said Letters Patent, and any and all Letters nich may be granted thereon or therefore; and any my/our name for Letters Patent in any country, to be or legal representatives, to the full end of the term or legal representatives, to the full end of the term or legal representatives, to the full end of the term of the full end of the term of the succession of the entire interest herein assigned, and that is inflict herewith, and I/we further covenant and agree elay, execute and deliver all such papers as may be representatives, and I/we agree to communicate to ion(s) or improvement(s), said application and said Letters epresentatives, and I/we agree to communicate to ion(s) or improvement(s), said application and said ul papers, to execute all disclaimers and divisionals, all rightful oaths and declarations, and generally to nominees and legal representatives to obtain and said invention(s) or improvement(s) in any and all cus in lending such cooperation and assistance are ner of Patents and Trademarks of the United States whose duty it is to issue patents on a entire right, title and interest, any and all Letters did, in accordance with the terms of this assignment. |
| Inventor's Signature   | Date Assignment Signed   |
| Thomas F Sawyers<br>Inventor's Typed Name  |  |
| Inventor's Fignature  Logy  Inventor's Bignature   | Date Application Signed  4/30/20/2  Date Assignment Signed   |
| ion C Library  | La La La La  |
| Jon G Lloyd<br>Inventor's Typed Name   | Date Application Signed  |

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

## PATENT APPLICATION

| Mail Stop 35<br>Fort Collins, Colorado 80528 | Į.                       | RECORD ID: 82964834 |
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| ext()  | ASSIGNMENT OF PATENT APF |                     |
| Inventor(s) Signature                        |                          | 10-24-2014<br>Date  |
| ***  |                          | Date                |
| John A.                                      | Wozniak                  | research            |
| First/Middle Name                            | Last Name                |                     |
| Inventor's Signature                         |                          | Date                |
| Christopher K.                               | Matthews                 |                     |
| First/Middle Name                            | Last Name                |                     |
| Înventor's Signature                         |                          | Date                |
| First/Middle Name                            | Last Name                |                     |
| Inventor's Signature                         | <u></u>                  | Date                |
| First/Middle Name                            | Last Name                |                     |
| Inventor's Signature                         |                          | Date                |
| First/Middle Name                            | Last Name                |                     |
| Inventor's Signature                         |                          | Date                |
| First/Middle Name                            | Last Name                |                     |

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

## PATENT APPLICATION

| Mail Stop 35<br>Fort Collins, Colorado 80528 | 3                        | RECORD ID: 82964834 |             |
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|  |                          |                     |             |
| nventor's Signature                          |                          | Date                |             |
| John A.                                      | Wozniak                  | <b></b>             |             |
| irst/Middle Name                             | Last Name                |                     |             |
| Livisto she                                  | x K. Alladlila           | 10/23/2019<br>Date  | 4           |
|  |                          | Date /              |             |
| Christopher K.                               | Matthews                 |                     |             |
| First/Middle Name                            | Last Name                |                     |             |
| nventor's Signature                          |                          | Date                |             |
| nvenu a oignature                            |                          | Date                |             |
| irst/Middle Name                             | Last Name                | <del></del>         |             |
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| nventor's Signature                          |                          | Date                |             |
| irst/Middle Name                             | Last Name                |                     |             |
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| nventor's Signature                          |                          | Date                | <del></del> |
| First/Middle Name                            | Last Name                |                     |             |
|  |                          |                     |             |
| nventor's Signature                          |                          |                     |             |
| No. 1 ( ) A part of Marie ( ) and            |                          | <b></b>             |             |
| First/Middle Name                            | Last Name                |                     |             |
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**RECORDED: 10/28/2014**