## 504105911 11/21/2016

# PATENT ASSIGNMENT COVER SHEET

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

#### **CONVEYING PARTY DATA**

| Name           | Execution Date |
|----------------|----------------|
| BRENT BUCHANAN | 01/21/2014     |

## **RECEIVING PARTY DATA**

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

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15116105 |

### **CORRESPONDENCE DATA**

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|-------------------------|-------------------|
| NAME OF SUBMITTER:      | KATHY HUNGSBERG   |
| SIGNATURE:              | /Kathy Hungsberg/ |
| DATE SIGNED:            | 11/21/2016        |

**Total Attachments: 1** 

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PATENT 504105911 REEL: 040394 FRAME: 0609

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

PATENT APPLICATION

| RECORD ID: | 83830583 |  |
|------------|----------|--|
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#### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that 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, to 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:

#### SWITCHED MEMRISTOR ANALOG TUNING

| Filing Date: 08/02/2016                               |   |     |
|---|---|-----|
| divisionals, and renewals of and substitutes for said | erein, and any and all continuations, continuations-in-part (C-I-<br>application for said Patent, and any and all other Patent of<br>erefore, and any reissues, or reexaminations, or extensions of | ลกง |

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 term or terms for which said 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 little to said invention(s) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, nominees of 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, 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 logal 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 tending 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 petents 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.

| INWITNESS ANHERED PI/We IN              | ereunto set my/our hand(s) an | d seal(s):<br>21 Now 201 | , š |
|---|-------------------------------|--------------------------|-----|
| Inventors Signature                     |                               | Date /                   |     |
| Brent Buchanan<br>Inventor's Typed Name |                               | _                        |     |
| andies s Types (water                   |                               |                          |     |
| Inventor's Signature                    |                               | Date                     |     |
| Inventor's Typed Name                   |                               |                          |     |
| Rev 1/ 2013 (Assignment)                | Page 1 of 1                   |                          |     |

PATENT REEL: 040394 FRAME: 0610