504143044 12/13/2016

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| FRED A. SPRAGUE | 07/20/2014 |

RECEIVING PARTY DATA

| Name: | e: Hewlett-Packard Development Company, L.P. | |
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| City: | Houston | |
| State/Country: | TEXAS | |
| Postal Code: | 77070 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15318501 |

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| ATTORNEY DOCKET NUMBER: | 90313634 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | KATHY HUNGSBERG |
| SIGNATURE: | /Kathy Hungsberg/ |
| DATE SIGNED: | 12/13/2016 |

Total Attachments: 1

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PATENT 504143044 REEL: 040724 FRAME: 0246

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

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| RECORD ID: | 83957709 |
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ASSIGNMENT OF PATENT APPLICATION

I/We, 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 Partn | nd affiliates, agree to as | sign and transfer and | s in Houston, Texas, (hereinafter HPDC), and to its hereby assign and transfer to HPDC, its successors and ht of priority, in, to and under an application for Patent |
|---|---|---|--|
| MOLTI-CORE | PROC ESSOR INCLU | DING A MASTER COR | E AND SLAVE CORES |
| Filing Date: | | | Application No.: 15/318501 |
| divisionals an | vi renewals of and subs | ititutes for said applicat | d any and all continuations, continuations-in-part (C-I-P's), tion for said Patent, and any and all other Patent of any and any reissues, or reexaminations, or extensions of said |
| by HPDC, its Patent respec | successors assigns, nor | minees or legal represer eissued or extended, as | our name for Patent in any country, to be held and enjoyed ntatives, to the full end of the term or terms for which said fully and entirely as the same would have been held and lade; |
| executed and time a request perfect the title nominees or le said invention papers, to ex- rightful caths and legal reprimprovement(| will not execute any agre- tis made, and without un- e to said invention(s) or it egal representatives, and (s) or improvement(s), se- ecute all disclaimers and and declarations, and ge- esentatives to obtain and | eement in conflict herew due delay, execute and improvement(s), said application and said divisionals, continuationerally to do everything I enforce, for its or their tries, provided the expension and said the expensionals. | by the entire interest herein assigned, and that I/we have not ith, and I/we further covenant and agree that I/we will, each deliver all such papers as may be necessary or desirable to plication and said Patent, to HPDC, its successors, assigns, cate to HPDC, or to its nominee, all known facts respecting Patent, to testify in any legal proceedings, to sign all lawfulons, C-I-P's, reissue and foreign applications, to make all possible to aid HPDC, its successors, assigns, nominees own benefit, proper patent protection for said invention(s) of enses which may be incurred by me/us in lending such |
| applications a invention(s) of | is aforesaid to issue to h | HPDC, as assignee of the may be issued and g | ry country or countries whose duty it is to issue patents or he entire right, title and interest, any and all Patent for said granted on or as a result of the application aforesaid, in |
| I/we furth application for known to ther | r Patent, now identified by | the attorneys of recor y the Record ID and title | d to insert the filing date and application number of said set forth above, as soon as the same shall have been made |
| IN WITH | IESS WHEREOF, I/we he | ereunto set my/our ha | nd(s) and seal(s): |
| Fal | a longe | d. | 7/20/2014 |
| Inventor's Sign | nature 1 | | Date |
| Fred A. Sprag Inventor's Typ | | | |
| Inventor's Sign | nature | | Date |
| Inventor's Typ | ed Name | | |
| Rev 6/ 2014 (Assig | anosot) | Page 1 | of 1 |

PATENT REEL: 040724 FRAME: 0247

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