505239367 12/17/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5286137

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------------|----------------|
| SANGKI YUN | 12/06/2018 |
| KYU-HAN KIM | 12/06/2018 |
| RAGHAV HAMPAPUR VENKATNARAYAN | 12/06/2018 |
| CHRISTINA VLACHOU | 12/06/2018 |

RECEIVING PARTY DATA

| Name: | Hewlett Packard Enterprise Development LP | |
|-----------------|---|--|
| Street Address: | 11445 Compaq Center Drive West | |
| City: | Houston | |
| State/Country: | TEXAS | |
| Postal Code: | 77070 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16176326 |

CORRESPONDENCE DATA

Fax Number:

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.

(970) 898-7472 Phone:

Email: hpe.ip.mail@hpe.com

HEWLETT PACKARD ENTERPRISE **Correspondent Name:** 3404 E. HARMONY ROAD MS 79 Address Line 1: Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER: 90666427 NAME OF SUBMITTER: KATHY HUNGSBERG **SIGNATURE:** /Kathy Hungsberg/ **DATE SIGNED:** 12/17/2018

Total Attachments: 2

source=90666427AssignExecutedAll#page1.tif source=90666427AssignExecutedAll#page2.tif

> **PATENT REEL: 047791 FRAME: 0598** 505239367

| Hawlett Packard Enterprise 3404 E. Harmony Road | | | PATENT APPLICATION | | |
|--|---|---|---|--|--|
| Mail Stop 79 Fort Collins, Colorado 80528 | | RECORD ID: | 90666427 | | |
| | ASSIGNMENT OF PAT | ENT 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 Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, little and interest, including the right of priority, in, to and under an application for Patent entitled: | | | | | |
| ACCURATE LOCALIZATIO | ON OF AN OBJECT BY A NET | NORK DEVICE | | | |
| Filing Date: Oct. 31, 2 | 018 | Application No.: 16 | /176326 | | |
| and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Patent. | | | | | |
| I/we additionally authorize HPED to file applications in my/our name for Patent in any country, to be field and enjoyed by HPED, 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; | | | | | |
| executed and will not execut time a request is made, and perfect the title to said invent nominees or legal represents said invention(s) or improver papers, to execute all discli- rightful paths and declaration and legal representatives to | e any agreement in conflict herew without undue delay, execute and ilon(s) or improvement(s), said ap atives, and I/we agree to commur nent(s), said application and said aimers and divisionals, continuat hs, and generally to do everythin obtain and enforce, for its or their all countries provided the exp | ith, and I/we further cover deliver all such papers a plication and said Patent licate to HPED, or to its r Patent, to testify in any ions, C-I-P's, reissue an g possible to aid HPED, own benefit, proper pate | ein assigned, and that I/we have not enent and agree that I/we will, each is may be necessary or desirable to to the to the to the tour to the tour said the tour to the tour to the tour | | |
| AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPED, 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. | | | | | |
| IN WITNESS WHEREOF, IA | we hereunto set my/our hand(s) and | seal(s): | | | |
| Carried Control | | 12/06 | 72018 | | |
| Inventor's Signature | | Date | | | |
| Sangki Yun | | | | | |
| First/Middle Name/Last Name | | | | | |
| ~\\. 444. | | 12/01 | 5/2012 | | |
| -Inventors Signature | | Date | | | |
| Kyu-Han Kim | | | | | |

Page 1 of 2

First/Middle Name/Last Name

Rev 06/15

Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins. Colorado 80528

PATENT APPLICATION

| Mail Stop /9 Fort Collins, Colorado 80528 | RECORD ID: | 90666427 |
|--|------------------------|------------|
| ASSIGNMENT OF | PATENT APPLICATION (co | ont.) |
| | | 12/06/2018 |
| Inventor's Signature | Date | |
| Raghav Hampapur Venkatnarayan | | |
| First/Middle Name/Last Name | | |
| Mara | | 12/6/18 |
| Inventor's Signature | Date | , |
| Christina Vlachou | | |
| First/Middle Name/Last Name | | |
| | | |
| Inventor's Signature | Date | |
| | | |
| First/Middle Name/Last Name | | |
| | | • |
| | | |
| Inventor's Signature | Date | |
| First/Middle Name/Last Name | | |
| | | |
| | | |
| Inventor's Signature | Date | |
| | | |
| First/Middle Name/Last Name | | |
| | | |
| | | |
| Inventor's Signature | Date | |
| First/Middle Name/Last Name | | |
| | | |

Page 2 of 2

Rev 05/15

RECORDED: 12/17/2018