502006214 07/30/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| Dejan S. Milojicic | 07/27/2012 |
| Soumendu Bardhan | 07/27/2012 |

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: | 13561213 |

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

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

NAME OF SUBMITTER: Michael S.W. Lu

Total Attachments: 2

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> **PATENT** REEL: 028672 FRAME: 0595

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

PATENT APPLICATION

| RECORD ID: | 83038797 |
|------------|----------|
|------------|----------|

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, LP., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby 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 Letters Patent of the United States entitled:

| entitled: PROVISIONING | RESOURCES IN A FEDERAT | to and under an application for Letters Patent of the United Sta |
|--|---|---|
| and the invention P's), divisionals Patent of the U reissues, or ree I/we acheld and enjoyed terms for which same would have we have not extend I/we not extend I/we will, earnecessary or de Patent, to HPD HPDC, or to its Letters Patent, continuations, Codo everything genforce, for its countries provide paid by HPDC; AND I/we for application now known to them I/we for application now known to them I/we for some I/we for application now known to them I/we for some I/we for some I/we for some I/we for some I/we for application now known to them I/we for some I/we I/we I/we I/we I/we I/we I/we I/w | , and renewals of and substitute inited States and of countries for examinations, or extensions of sa additionally authorize HPDC to file at by HPDC, its successors, assist and Letters Patent respectively we been held and enjoyed by meaning the execute and will not execute any ach time a request is made, and esirable to perfect the title to say the countries, all known facts respectively in any legal proceeding C-I-P's, reissue and foreign applitudes to aid HPDC, its successors assigns, non consible to aid HPDC, its successors their own benefit, proper pate and the expenses which may be afforesaid, to issue to HPDC, a invention(s) or improvement(s), granted on or as a result of the authorize and direct the a depth of the United States Patent and by the United States Patent and | applications in my/our name for Letters Patent in any country, to gns, nominees or legal representatives, to the full end of the term may be granted, reissued or extended, as fully and entirely as us had this assignment, and transfer not been made; we full right to convey the entire interest herein assigned, and the agreement in conflict herewith, and I/we further covenant and ag without undue delay, execute and deliver all such papers as may dinvention(s) or improvement(s), said application and said Lett inees or legal representatives, and I/we agree to communicate cting said invention(s) or improvement(s), said application and sid, to sign all lawful papers, to execute all disclaimers and divisions actions, to make all rightful oaths and declarations, and generally ssors, assigns, nominees and legal representatives to obtain a not protection for said invention(s) or improvement(s) in any and incurred by me/us in lending such cooperation and assistance at the Commissioner of Patents and Trademarks of the United States whose duty it is to issue patents assignee of the entire right, title and interest, any and all Letters patent of the United States which in cluding any and all Letters Patent of the United States which in plication aforesaid, in accordance with the terms of this assignment forneys of record to insert the serial number and filling date of states are forth above as soon as the same shall have been material or the United Office. |
| inventor's Agnati | S. Wilipio | 7/27/2012 Date Assignment Signed 7/27/2012 |
| Dejan S. Milojicic Inventor's Typed | | 7/27/2012 Date Application Signed |
| Inventor's Signatu | | Date Assignment Signed |
| Soumendu Bardh Inventor's Typed I | · ······························ | Date Application Signed |
| Ray 09/11 (Assignmen | ņ | Page 1 of 1 |

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

PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION

| WOOLGHAMMAL ALLEWICH SELEC | | | | | |
|--|---|--|--|--|--|
| 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 obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby 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 Letters Patent of the United States entitled: | | | | | |
| PROVISIONING RESOURCES IN A FEDERATED CLOUD ENVIRON | MENT | | | | |
| | | | | | |
| and the invention(s) and improvement(s) set forth therein, and any ar P's), divisionals, and renewals of and substitutes for said application for Patent of the United States and of countries foreign thereto which make additionally authorize HPDC to file applications in my/our held and enjoyed by HPDC, its successors, assigns, nominees or legal terms for which said Letters Patent respectively may be granted, reiss same would have been held and enjoyed by me/us had this assignment. | or said Letters Patent, and any and all Letters hay be granted thereon or therefore; and any r name for Letters Patent in any country, to be il representatives, to the full end of the term or sued or extended, as fully and entirely as the | | | | |
| AND I/we hereby coverant that I/we have full right to convey we have not executed and will not execute any agreement in conflict I that I/we will, each time a request is made, and without undue delay, a necessary or desirable to perfect the title to said invention(s) or impresent, to HPDC, its successors, assigns, nominees or legal representation, or to its nominee, all known facts respecting said invention(s). Letters Patent, to testify in any legal proceedings, to sign all lawful pap continuations, C-I-P's, reissue and foreign applications, to make all right of everything possible to aid HPDC, its successors, assigns, nominatione, for its or their own benefit, proper patent protection for said countries provided the expenses which may be incurred by me/us in paid by HPDC. | the entire interest herein assigned, and that I/ nerewith, and I/we further covenant and agree execute and deliver all such papers as may be rovement(s), said application and said Letters entatives, and I/we agree to communicate to or improvement(s), said application and said ers, to execute all disclaimers and divisionals, priful oaths and declarations, and generally to nees and legal representatives to obtain and invention(s) or improvement(s) in any and all | | | | |
| AND I/we hereby authorize and request the Commissioner of and any official of any country or countries foreign to the United applications as aforesaid, to issue to HPDC, as assignee of the entit Patent for said invention(s) or improvement(s), including any and all I be issued and granted on or as a result of the application aforesaid, in I/we further authorize and direct the attorneys of record to is application now identified by the Record ID and title set forth above known to them by the United States Patent and Trademark Office. | States whose duty it is to issue patents on re right, title and interest, any and all Letters etters Patent of the United States which may accordance with the terms of this assignment. nsert the serial number and filing date of said | | | | |
| Inventor's Signature | Date Assignment Signed | | | | |
| Dejan S. Milojicic Inventor's Typed Name | Date Application Signed | | | | |
| Sormed Bordyas Inventor's Signature | 7/27/20;2 Date Assignment Signed | | | | |
| | 7/27/2012 | | | | |
| Soumendu Bardhan | Date Application Signed | | | | |
| Inventor's Typed Name | eata Uhhurinini Oilinah | | | | |
| Rev 59/11 (Assignment) Page 1 of 1 | | | | | |

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PATENT

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