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| PATENTS ONLY | | | | |
| Name of conveying party(ies): | 2. Name and address of receiving party(ies): | | | |
| Zhen Peng Marco Fiorentino | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 11445 Compaq Center Drive West Houston, TX 77070 | | | |
| Additional name(s) of conveying party(ies) attached? ☐Yes ☒No | Additional name(s) and address(es) attached? □Yes ≅No | | | |
| 3. Nature of Conveyance: | | | | |
| ⊠Assignment ☐ Merger ☐ Change o | of Name Security Agreement Doint | | | |
| Other | | | | |
| Execution Date(s):01/04/2010 4. Application number(s) or patent number(s): | | | | |
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| If this document is being filed together with a new application | on, execution date of the application is: | | | |
| A. Patent Application No.(s) Application No.: 12/652,278 Date Filed: | 01/05/2010 | | | |
| Confirmation No.: 1824 B. Patent No.(s): | | | | |
| Additional numbers attached? NO | | | | |
| 5. Name and address of party to whom correspondence | 6. Total number of applications and patents involved: 1 | | | |
| concerning document should be mailed: | 7. Total Fee (37 CFR 3.41): \$40.00 | | | |
| Records Manager Intellectual Property Administration | Enclosed | | | |
| HEWLETT-PACKARD COMPANY P.O. Box 272400 | X_Authorization to be charged to deposit account. | | | |
| Fort Collins, Colorado 80527-2400 | 8. Deposit Account Number: <u>08-2025</u> | | | |
| Statement and signature. | | | | |
| To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. | | | | |
| Gary P. Oakeson | 01/05/2010 | | | |
| Name of Person Signing Signature Date Total number of pages including coversheet, attachments, and documents: 3 | | | | |
| Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450 | | | | |
| Page 1 of 1 | | | | |

Rev 05/08 (RecdAsgn)

PATENT REEL: 023742 FRAME: 0390 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

LIGHT EMITTING DIODE DEVICE

Filing Date:

PATENT APPLICATION

ATTORNEY DOCKET NO. _____200903780-1

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 furtherence 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;

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-

Application No.:

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| Patent of the United States and of countries | ies foreign thereto whic | h may be granted thereon | or therefore; and any |
| reissues, or reexaminations, or extensions | of said Letters Patent. | | |
| I/we additionally authorize HPDC | to file applications in my | //our name for Letters Paten | t 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 Letters Patent respec | tively may be granted, | reissued or extended, as fu | lly and entirely as the |
| same would have been held and enjoyed b | y me/us had this assign | ment, and transfer not been | made; |
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| we have not executed and will not execute | any agreement in conf | lict herewith, and I/we furthe | r covenant and agree |
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| HPDC, or to its nominee, all known facts i | | | |
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PATENT REEL: 023742 FRAME: 0391 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. _____200903780-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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| IN WITNESS WHEREOF, I/we | hereunto set my/our hand(s |) and seal(s): | |
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| Inventor's Typed Name | | Date Application Signed | |
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| Rev 10/06s (Assignment) | Page 2 of 2 | My Commission Expires: | |
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PATENT REEL: 023742 FRAME: 0392

RECORDED: 01/05/2010