

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4000114

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | ALOHAR MOBILE INC. | 07/26/2016 |
| RECEIVING PARTY DATA | | |
| Name: | ALIBABA GROUP HOLDING LIMITED | |
| Street Address: | FOURTH FLOOR, ONE CAPITAL PLACE, P.O. BOX 847, GEORGE TOWN | |
| City: | GRAND CAYMAN | |
| State/Country: | CAYMAN ISLANDS | |
| PROPERTY NUMBERS Total: 9 | | |
| Property Type | Number | |
| Application Number: | 13269577 | |
| Application Number: | 13278396 | |
| Application Number: | 13655326 | |
| Application Number: | 13896726 | |
| Application Number: | 13907863 | |
| Application Number: | 14314286 | |
| Application Number: | 13681588 | |
| Application Number: | 13896847 | |
| Application Number: | 13907861 | |
| CORRESPONDENCE DATA | | |
| Fax Number: | (703)739-2815 | |
| <i>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.</i> | | |
| Email: | iprecordals@cpaglobal.com, tsaini@cpaglobal.com | |
| Correspondent Name: | CPA GLOBAL LIMITED | |
| Address Line 1: | LIBERATION HOUSE | |
| Address Line 2: | CASTLE STREET | |
| Address Line 4: | ST HELIER, JERSEY JE1 1BL | |
| NAME OF SUBMITTER: | HELEN BIRRELL | |
| SIGNATURE: | /H/BIRRELL/IPR/TS/ALIBABA ALOHAR/AG9PT/ | |
| DATE SIGNED: | 08/10/2016 | |

Total Attachments: 2

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ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Alohar Mobile Inc., ("Assignor"), a U.S. corporation located in Palo Alto, California, hereby sells, assigns, transfers and conveys to Alibaba Group Holding Limited ("Assignee"), a Cayman Islands company, the entire right, title and interest in and to:

- a. the United States patents and patent applications listed on Schedule 1, attached hereto and made a part hereof;
- b. all divisions, continuations, continuations-in-part, extensions, reexaminations, reissues and renewals of (a);
- c. all counterparts of the patents and patent applications of (a) and (b) in foreign countries;
- d. all United States and foreign patents which may be granted on or claim priority to the applications of (a), (b) and (c);
- e. all inventions or discoveries described in the patents and patent applications of (a), (b), (c) and (d);
- f. all proceeds of (a), (b), (c), (d) and (e) (including, but not limited to, all license royalties and proceeds of infringement suits); and
- g. all causes of action for past, present and future infringement of any patents, patent applications, inventions or discoveries of (a), (b), (c), (d) or (e), including without limitation the rights to (i) collect royalties for all such infringements and (ii) sue on all such causes of action for the use and benefit of Assignee and its successors, assigns and legal representatives;

each and every of the foregoing rights, titles and interests herein assigned to be held and enjoyed by Assignee and its successors, assigns and legal representatives, as fully as they would have been held and enjoyed by Assignor had this Assignment not been made.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be duly executed in its name and behalf by its designated officer, director, or agent, whose name and title appear below.

Executed at San Mateo, California this 25th day of July, 2016.

Alohar Mobile Inc.

By [Signature]
Signature

Name:

Annie Tie Xu

Title:

Director

Witness:

[Signature]

Roger Shang

SCHEDULE 1

| U.S. Patent Application Number | U.S. Patent Number | Filing Date | Status |
|--------------------------------|--------------------|-------------|-----------|
| 61/406,198 | | 10/25/2010 | expired |
| 13/269,577 | 8,958,822 | 10/08/2011 | Issued |
| 13/278,396 | 8,725,569 | 10/21/2011 | issued |
| 61/549,855 | | 10/21/2011 | expired |
| 13/655,326 | 8,948,781 | 10/18/2012 | issued |
| 61/562,644 | | 11/22/2011 | expired |
| 13/681,588 | 8,892,461 | 11/20/2012 | Issued |
| 61/649,260 | | 5/19/2012 | expired |
| 13/896,726 | 8,990,107 | 5/17/2013 | issued |
| 61/649,246 | | 5/19/2012 | expired |
| 13/896,847 | | 5/17/2013 | pending |
| 61/649,265 | | 5/19/2012 | expired |
| 61/654,893 | | 6/3/2012 | expired |
| 13/907,861 | | 6/1/2013 | pending |
| 61/654,894 | | 6/3/2012 | expired |
| 13/907,863 | 9,167,529 | 6/1/2013 | issued |
| 61/654,896 | | 6/3/2012 | expired |
| 13/907,865 | | 6/1/2013 | abandoned |
| 61/859,229 | | 7/27/2013 | expired |
| 14/314,286 | 9,037,485 | 6/25/2014 | issued |