

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jacob Andrew Brill</td> <td>09/18/2012</td> </tr> <tr> <td>Ryan McGeehan</td> <td>09/18/2012</td> </tr> <tr> <td>Daniel Gregory Muriello</td> <td>09/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jacob Andrew Brill	09/18/2012	Ryan McGeehan	09/18/2012	Daniel Gregory Muriello	09/18/2012
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Jacob Andrew Brill	09/18/2012								
Ryan McGeehan	09/18/2012								
Daniel Gregory Muriello	09/18/2012								
RECEIVING PARTY DATA									
Name:	Facebook, Inc.								
Street Address:	1601 Willow Road								
City:	Menlo Park								
State/Country:	CALIFORNIA								
Postal Code:	94025								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13590806</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13590806				
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Application Number:	13590806								
CORRESPONDENCE DATA									
Fax Number:	6509385200								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	650.335.7107								
Email:	lcarlson@fenwick.com								
Correspondent Name:	Rajendra B. Panwar								
Address Line 1:	Fenwick & West LLP								
Address Line 2:	801 California Street								
Address Line 4:	Mountain View, CALIFORNIA 94041								
ATTORNEY DOCKET NUMBER:	26295-19891								
NAME OF SUBMITTER:	Rajendra B. Panwar								
Total Attachments: 2 source=19891_Assignment#page1.tif source=19891_Assignment#page2.tif									

CH \$40.00 13590806

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Facebook, Inc., a Delaware corporation, having a place of business at 1601 Willow Road, Menlo Park, California 94025 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No.: 13/590,806, entitled "Authenticating User Sessions Based on Information Obtained from Mobile Devices" filed on August 21, 2012.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.


INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Title: **Authenticating User Sessions Based on Information
Obtained from Mobile Devices**
Filed: **August 21, 2012**
Application No.: **13/590,806**

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature _____

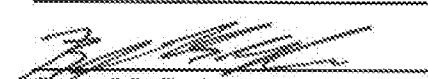


Jacob Andrew Brill

Date of Signature _____

9/18/12

Name and Signature _____



Ryan McGeehan

Date of Signature _____

9/18/12

Name and Signature _____



Daniel Gregory Muriello

Date of Signature _____

9/18/2012
