

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2806398

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	TIMBALL ACQUISITION CORP.	10/31/2012
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	FACEBOOK, INC.	
<b>Street Address:</b>	1601 WILLOW ROAD	
<b>City:</b>	MENLO PARK	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	94025	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	13763546
<b>CORRESPONDENCE DATA</b>		
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<b>NAME OF SUBMITTER:</b>	GLENDA J. ORRANTIA	
<b>SIGNATURE:</b>	/glenda orrantia/	
<b>DATE SIGNED:</b>	04/09/2014	
<b>Total Attachments: 4</b>		
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## PATENT ASSIGNMENT

This Patent Assignment ("**Assignment**") is made and entered into as of 31 October 2012 by and between **TIMBALL ACQUISITION CORP.**, a Delaware corporation ("**Assignor**"), and **FACEBOOK, INC.**, a Delaware corporation ("**Assignee**").

WHEREAS, Assignor wants to assign and transfer to Assignee and Assignee wants to acquire from Assignor all of Assignor's rights, titles, and interests in and to the patent applications identified in Exhibit A hereto (collectively the "**Assigned Patents**");

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor and the Assignee each hereby agree as follows:

1. Assignment. Assignor does hereby sell, assign, and transfer to Assignee, for itself and its successors, transferees, and assignees, all worldwide rights, titles, and interests in and to all of the following patents, patent applications, and patent rights:

- (a) the Assigned Patents;
- (b) any and all patents and patent applications claiming priority to or from any of the Assigned Patents;
- (c) all divisionals, continuations, continuations-in-part, substitutes, requests for continued examination, renewals, reexaminations, reissues, and other related extensions or applications thereto (including any and all foreign counterpart patent applications and patents) that have been or may be filed in the United States or elsewhere in the world;
- (d) all patents (including reissues and reexaminations) that may be granted on any of (a) – (c), above; and
- (e) all rights of priority in and to any of (a) – (d), above, together with all rights to recover damages for past and present infringements and any other causes of action related to any of (a) – (d), above, including but not limited to infringement of Assignor's provisional rights therein.

Assignor agrees that Assignee may apply for and receive patents for subject matter disclosed in any of (a) – (d), above, in Assignee's own name.

2. Further Assurances. Assignor agrees to do the following, when requested, and without further consideration, to carry out the intent of this Assignment and further agrees to cause its employees (and to use its best efforts to cause non-employee inventors) to do the same: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure in and to Assignee the rights, titles, and interests herein conveyed; (2) communicate to Assignee all known facts relating to the subject matter of the above-identified patents and patent applications; and (3) generally do all lawful acts that Assignee shall consider desirable for securing, maintaining, or enforcing worldwide patent protection relating to the subject matter of the above-identified patents and patent applications and for vesting in Assignee the rights, titles, and interests herein conveyed. Assignor further agrees to provide any

successor, assign, or legal representative of Assignee with the benefits and assistance provided to Assignee hereunder. Assignor 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 or rules of other entities, including but not limited to the United States or foreign governments or patent offices, for recordation of this document.

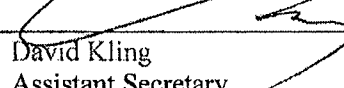
3. This Assignment may not be supplemented, altered, or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this Assignment shall not waive any of its rights under such terms or provisions. This Assignment shall bind and inure to the benefit of the respective parties and their assigns, transferees, and successors.

4. This Assignment may be executed in one or more counterparts and by the different parties hereto in separate counterparts, each of which when executed will be deemed to be an original but all of which taken together will constitute one and the same agreement.

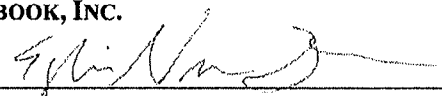
**[Signature Page Follows]**

IN WITNESS WHEREOF, the Assignor and the Assignee have executed this Patent Assignment as of the day and year first above written.

**TIMBALL ACQUISITION CORP.**

By:   
Name: David Kling  
Title: Assistant Secretary

**FACEBOOK, INC.**

By:   
Name: Eglia Nair Flores  
Title: Associate General Counsel, Patents

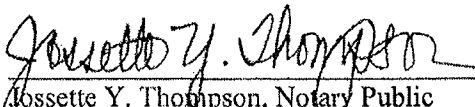


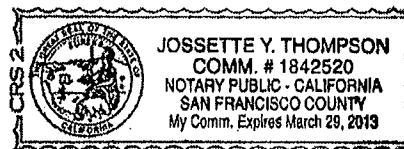
State of California  
County of San Mateo

On November 1, 2012 before me, Josette Y. Thompson, Notary Public personally appeared David Kling, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

  
Josette Y. Thompson, Notary Public  
My Commission expires: March 29, 2013



(Seal)



**EXHIBIT A**

**ASSIGNED PATENTS**

<b>Jurisdiction</b>	<b>Application No.</b>	<b>Title</b>	<b>Filing Date</b>
U.S.	61/585697	System and Method for a Variable Impedance Transmitter Path for Charging Wireless Devices	12 January 2012
U.S.	61/585691	System and Method for Distance-Dependent Data Exchange Between Wireless Communication Devices	12 January 2012
U.S.	61/491375	Broadband Detector to Speed Up Data Transfer Between Devices	31 May 2011
U.S.	61/491380	Array of Switchable Antenna Elements to Minimize Path Loss to RFID Tags From a Mobile Device	31 May 2011
U.S.	13/118693	Passively Powering a Wireless Communications Device	31 May 2011
U.S.	13/118700	Dual Mode Wireless Communications Device	31 May 2011
U.S.	13/485117	Mobile Communications Devices and Methods Having Reduced Communication Latency	31 May 2012
U.S.	13/485139	Switchable Antenna Elements for a Wireless Communications Device	31 May 2012
U.S.	13/648552	System and Method for a Variable Impedance Transmitter Path for Charging Wireless Devices	10 October 2012
International	PCT/US2012/039951	A Dual Mode Wireless Communications Device	30 May 2012
International	PCT/US2012/040192	Mobile Communications Devices and Methods Having Reduced Communication Latency	31 May 2012
International	PCT/US2012/040199	Switchable Antenna Elements for a Wireless Communications Device	31 May 2012