

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT4602653

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BAO TRAN	06/15/2017
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<b>Property Type</b>	<b>Number</b>
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<b>DATE SIGNED:</b>	09/20/2017
<b>Total Attachments: 2</b>	
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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Bao Tran, an individual, with residence at PO Box 68, Saratoga, California ("**Assignor**"), does hereby sell, assign, transfer, and convey unto Renaissance IP Holdings, LLC, a Georgia Limited Liability Company located at 3350 Riverwood Parkway, Suite 800, Atlanta, Georgia ("**Assignee**"), all of its right, title, and interest in and to the following (collectively, the "**Patent Assets**"):

- a) The patents and patent applications listed in the table below:

<b>U.S. PATENT OR APPLICATION NO.</b>	<b>FILING DATE</b>	<b>ISSUE DATE</b>
8,503,539	February 16, 2010	August 6, 2013
8,634,476	February 1, 2013	January 21, 2014
9,456,131	November 29, 2013	September 27, 2016
9,578,234	January 5, 2014	February 21, 2017
15/245,151	August 23, 2016	Pending
15/396,665	January 1, 2017	Pending

b) Any reissues, reexaminations, extensions, continuations, requests for continuing examinations, divisions, and registrations of any of the Patent Assets, and any patent or patent application related directly or indirectly to any of the Patent Assets by a claim of priority;

c) Rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patent Assets; and

d) Causes of action and enforcement rights of any kind under, or on account of, any of the Patent Assets and/or any of the items described in either of the foregoing categories (a), (b) or (c), including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current and future infringement.

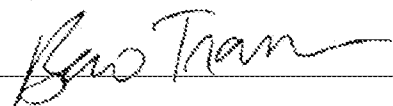
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of the Assignee, as the Assignee to the entire interest therein. This Assignment of Patent rights will inure for the benefit of any permitted successors or assigns of Assignee.

Assignor will, at the reasonable cost of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgement, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining and perfecting the Patent Rights.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on the 15th day of June, 2017.

**ASSIGNOR:**

**BAO TRAN**

By: 

Name: Bao Tran