

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YI-SHENG LEE	04/16/2019
TE-CHIA TSAI	04/16/2019
CHIH-HUANG WANG	04/16/2019
HAWAII XUAN	04/16/2019
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<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16298579
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<b>SIGNATURE:</b>	/Bentley J. Olive/
<b>DATE SIGNED:</b>	05/06/2019
<b>Total Attachments: 6</b>	

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**ASSIGNMENT**

WHEREAS, we, **Yi-Sheng Lee**, of Research Triangle Park, NC, **Te-Chia Tsai**, of Research Triangle Park, NC; **Chih-Huang Wang**, of Research Triangle Park, NC; and **Hawaii Xuan**, of Research Triangle Park, NC (hereinafter “Assignors”), have invented certain new and useful improvements in **SYSTEMS AND METHODS FOR MANAGING AND FACILITATING COMBINED PURCHASE OF ITEMS BY MULTIPLE CUSTOMERS**, for which a U.S. Utility Patent Application No. 16/298,579 was filed on March 11, 2019. (We hereby authorize the attorney recording this assignment to insert the Serial No. and filing date of the application to which this assignment refers to if such information is unavailable as of the execution date of this assignment).

AND, WHEREAS, **Toshiba Global Commerce Solutions Holdings Corporation**, an organization having its principal office and place of business at 1-11-1, Osaki, Shinagawa-ku, Tokyo, Japan, 141-8562 (hereinafter “Assignee”), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have assigned and by these presents does hereby sell, assign, transfer, and convey unto the Assignee, its successors and assigns, their entire right, title, and interest in and to the invention and application, including the right to sue for past infringements and any other prior occurring rights, provided any such rights exist, and in and to any and all domestic and foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America, and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with his right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignors further assign to Assignee the right to claim entitlement and/or priority to any applications that entitlement or priority may be claimed for this or any later filed application. The assignment of

the right to claim entitlement and/or priority is executed *nunc pro tunc* and is considered effective as of the filing date of the earliest application to which priority and/or entitlement is claimed.

Assignor hereby requests that said Letters Patent be issued in accordance with this assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that he has the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise binds his heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to him relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

<< Signature Page Follows >>

Executed this 16th day of April, 2019.

Yi-Sheng Lee

Yi-Sheng Lee

Witnessed by:

Hawani Xuan 2019/04/16  
Name Date

Te-Chia Tsai 2019/4/16  
Name Date

Executed this 16th day of April, 2019.

Te-Chia Tsai  
Te-Chia Tsai

Witnessed by:

Hawzi Xuan 2019/4/16  
Name Date

Edward Lee 2019/4/16  
Name Date



