505179332 11/07/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTOR WANG SIGNATURE DATE previously recorded on Reel 045938 Frame 0141. Assignor(s) hereby confirms the ASSIGNMENT.	

CONVEYING PARTY DATA

Name	Execution Date
TONG YU	04/14/2015
YONGAN WANG	04/14/2015
XIANHUA LIU	04/14/2015
SHAOBO DOU	04/14/2015

RECEIVING PARTY DATA

Name:	TOSHIBA GLOBAL COMMERCE SOLUTIONS HOLDINGS CORPORATION
Street Address:	2-17-2, HIGASHI GOTANDA
City:	TOKYO
State/Country:	JAPAN
Postal Code:	141-8664

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15993011

CORRESPONDENCE DATA

Fax Number: (919)854-2084

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.

Phone: 919-854-1844

Email: uspto-assignments@coatsandbennett.com

Correspondent Name: COATS & BENNETT, PLLC

Address Line 1: 1400 CRESCENT GREEN, SUITE 300
Address Line 4: CARY, NORTH CAROLINA 27518

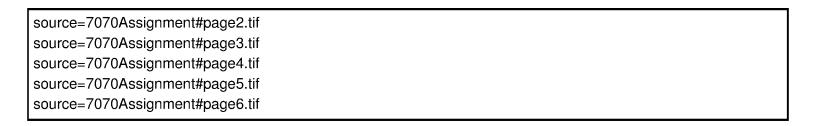
ATTORNEY DOCKET NUMBER:	7070-052	
NAME OF SUBMITTER:	STEPHEN A. HERRERA	
SIGNATURE:	/Stephen A. Herrera, Reg. No. 47,642/	
DATE SIGNED:	11/07/2018	

Total Attachments: 6

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PATENT REEL: 047445 FRAME: 0547

505179332



PATENT REEL: 047445 FRAME: 0548



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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: **NEW ASSIGNMENT** NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TONG YU	04/14/2015
YONGAN WANG	01/14/2015
XIANHUA LIU	04/14/2015
SHAOBO DOU	04/14/2015

RECEIVING PARTY DATA

Name:	TOSHIBA GLOBAL COMMERCE SOLUTIONS HOLDINGS CORPORATION
Street Address:	2-17-2, HIGASHI GOTANDA
Internal Address:	SHINAGAWA-KU
City:	токуо
State/Country:	JAPAN
Postal Code:	141-8664

PROPERTY NUMBERS Total: 1

Property Type	Number
}}	15993011

PATENT 5/30/2018

CORRESPONDENCE DATA

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USPTO-assignments/acoatsandbennett.com

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Correspondent Name:

COATS & BENNETY, PLEC

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Address Line 4:

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ATTORNEY DOCKET

NUMBER:

7070-052

NAME OF SUBMITTER:

STEPHEN A. HERRERA

Signature:

/Stephen A. Herrera, Reg. No. 47,642/

Date:

05/30/2018

Total Attachments: 2

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PATENT 5/30/2018

REEL: 047445 FRAME: 0550

Client Ref. No.: C00000358.S0 Coats & Bennett Ref. No.: 7070-030

ASSIGNMENT

For good and valuable consideration, I/we

Tong Yu, a citizen of China, residing at 123 Frehold Court Cary, NC 27519

Yongan Wang, a citizen of the United States, residing at 229 Lantern Ridge Lane
Cary, NC 27519

Xianhua Liu, a citizen of Canada, residing at 213 Beringer Place Chapel Hill, NC 27516

Shaobo Dou, a citizen of the United States, residing at 421 Granville Road Chapel Hill, NC 27514

hereby assign to Toshiba Global Commerce Solutions Holdings Corporation (the "Company"), having its principal place of business at

2-17-2, Higashi Gotanda Shinagawa-ku, Tokyo 141-8664 Japan

the entire right, title, and interest in and to the Configuring Point-of-Sale (POS) Applications to Communicate with Peripheral Devices in a POS System which is/are disclosed in, but not limited to, the application(s) for Letters Patent and Utility Model filed in:

COUNTRY	APPLICATION NO.	FILING DATE
US	14/674,132	March 31, 2015
US	15/703,315	September 13, 2017
US	15/993,011	May 30, 2018

and for any and all patents and patent applications therefore in any and all countries, and pursuant to all multilateral treaty organizations, including the Patent Cooperation Treaty and European Patent Convention, including without limitation, continuations, continuations-in-part, divisionals, reissues, and extensions thereof, and all rights of priority resulting from the filing of said application(s) to be held and enjoyed by the Company, its successors, and assigns, as fully and entirely as the same would have been held and enjoyed by me/us this Assignment not been made.

I hereby authorize and request the attorneys at Coats & Bennett, PLLC, 1400 Crescent Green, Cary, North Carolina 27518, to insert the filing date(s) and application number(s) in the above-indicated spaces when known.

PATENT REEL: 047445 FRAME: 0551

4/14/2015 Date	Tong Yu
4 /14/2015 Date	Yongan Wang
4/14 /do15 Date	Xianhua Liu
4/14/2-01(Shaobo Dou
7/13/2015 Date	Signature on behalf of Assignee
	Mikio Kakizaki Name General Manger of IPDIV.