

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	WEN FU TSAI	07/04/2023
	HAWAII XUAN	07/04/2023
	YI HSIN HUANG	07/04/2023
	YING CHI CHOU	07/04/2023
RECEIVING PARTY DATA		
Name:	TOSHIBA GLOBAL COMMERCE SOLUTIONS, INC.	
Street Address:	3901 SOUTH MIAMI BOULEVARD	
City:	DURHAM	
State/Country:	NORTH CAROLINA	
Postal Code:	27703	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	18108149
CORRESPONDENCE DATA		
Fax Number:	(888)360-9092	
<i>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.</i>		
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Address Line 1:	4350 LASSITER AT NORTH HILLS, SUITE 350	
Address Line 4:	RALEIGH, NORTH CAROLINA 27609	
ATTORNEY DOCKET NUMBER:	093432.0184705	
NAME OF SUBMITTER:	EDWARD M. RONEY, IV	
SIGNATURE:	/Edward M. Roney, IV/	
DATE SIGNED:	07/07/2023	
Total Attachments: 4		
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ASSIGNMENT

Pursuant to my/our obligation to **TOSHIBA GLOBAL COMMERCE SOLUTIONS, INC.**
(hereinafter, "Assignee"), having its principal place of business at:

3901 South Miami Boulevard
Durham, NC 27703

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,

I/we:

Wen Fu Tsai

2F., No. 7, Aly. 3, Ln. 146, Sanmin St.
Sanchong District, New Taipei City 241029
Taiwan (R.O.C.)

Hawaii Xuan

No. 9, Aly. 25, Ln. 109, Sec. 2, Muzha Rd.
Wenshan District, Taipei City 116007
Taiwan (R.O.C.)

Yi Hsin Huang

5F., No. 13, Ln. 431, Songjiang Rd.
Zhongshan District, Taipei City 10405
Taiwan (R.O.C.)

Ying Chi Chou

No. 59, Aly. 15, Ln. 364, Lin-Sen E. Rd.
East District, Chiayi City 60072
Taiwan (R.O.C.)

confirm my/our obligation to and hereby sell, assign and convey, unto Assignee, its successors
and assigns, my/our entire right, title and interest:

(1) in and to inventions disclosed and/or claimed in a patent application titled "SCREEN
MAPPING AND SPATIAL ARRANGEMENT SYSTEM" (the "**Inventions**") for which I/we filed
U.S. Patent Application No. 18/108,149, filed February 10, 2023 (hereinafter, the "**U.S. Utility
Patent Application**") (Attorney Docket No. 093432.0184705);

(2) in and to the U.S. Utility Patent Application, in and to all other patent applications
(including divisional, continuation, continuation-in-part, 35 U.S.C. § 111(b) provisional, 35 U.S.C.
§ 111(a), and reissue applications) based upon the Inventions, and in and to the patent or
patents to be granted thereon, to the full end of the term or terms for which said patent or
patents may be granted;

(3) in and to all patent applications or other applications of any kind or nature relating to
the protection of intellectual and industrial property rights, now or hereafter filed in countries
foreign to the United States of America, based upon the Inventions or claiming the benefit of or
priority to the U.S. Utility Patent Application or any other patent application assigned under this
Assignment, including all rights of priority based on such applications and the right to file such
applications in the name of Assignee, and any and all patents granted thereon to the full end of
the terms for which said patents may be granted;

(4) in and to all patent applications or other applications of any kind or nature relating to the protection of intellectual and industrial property rights now or hereafter filed under the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other international conventions, agreements, treaties or laws relating to the protection of intellectual and industrial property based upon the inventions or claiming the benefit of or priority to the U.S. Utility Patent Application or any other patent application assigned under this Assignment, including all rights of priority based on such applications and the right to file such applications in the name of Assignee, and any and all patents granted thereon to the full end of the terms for which said patents may be granted;

(5) in and to all of my/our rights of any kind whatsoever accruing before, on, or after the dates of execution below under any of the foregoing provisions provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world, acknowledging that some rights may have already accrued to Assignee under such applicable laws; and

(6) any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on, or after the dates of execution below, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

I/We hereby authorize Assignee or attorney of record to insert in the appropriate place in this document the application number and filing date of my/our application after execution of this Assignment.

I/We hereby agree that I/we will, upon demand of Assignee, its successors, assigns, or legal representatives, and without further consideration to me/us, execute any and all papers and do all other lawful acts that may be deemed necessary by Assignee, its successors, assigns, or legal representatives, to complete fulfillment of the intent and purposes of this Assignment in any country throughout the world. Any expenses incident to the execution of such papers and performance of such acts shall be paid by Assignee, its successors, assigns, or legal representatives.

I/We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the appropriate official of any foreign patent or intellectual property office

to issue all patents as shall be granted upon the assigned patent applications to Assignee, its successors, assigns, or legal representatives.

[SIGNATURE PAGE FOLLOWS]

IN TESTIMONY WHEREOF, I/we have executed this Assignment on the date(s)
indicated below.

2023/07/04

Date

2023.7.4

Date

2023.7.4

Date

2023/07/04

Date

Tsai Wen Fu

Wen Fu Tsai

Hawaii Xuan

Hawaii Xuan

Yi Hsin Huang

Yi Hsin Huang

Ying Chi Chou

Ying Chi Chou