

## 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>
YU-CHENG TSAI	01/27/2020
DONGMING JIANG	01/27/2020
GEORGIY GOLDENBERG	01/28/2020
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<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10001
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17683885
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<b>ATTORNEY DOCKET NUMBER:</b>	00215-0016-02000
<b>NAME OF SUBMITTER:</b>	BETHANY LOVE
<b>SIGNATURE:</b>	/BETHANY LOVE/
<b>DATE SIGNED:</b>	03/08/2022
<b>Total Attachments: 2</b>	
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<b>ASSIGNMENT</b>	432469432469 00215-0016-00000432469 «XXX»«XXX»	Page 1 of 2
	Title: <b>SYSTEMS AND METHODS FOR PRODUCT IDENTIFICATION USING IMAGE ANALYSIS FROM IMAGE MASK AND TRAINED NEURAL NETWORK</b>	

11WHEREAS, WE, **Yu-Cheng TSAI, Dongming JIANG, and Georgiy GOLDENBERG**, have invented certain new and useful improvements as described in a U.S. patent application, entitled **SYSTEMS AND METHODS FOR PRODUCT IDENTIFICATION USING IMAGE ANALYSIS FROM IMAGE MASK AND TRAINED NEURAL NETWORK**, the application being identified in the United States Patent and Trademark Office ("USPTO") by **U.S. Application No. 16/783,289**, filed on **February 6, 2020**, ("Invention"); and

WHEREAS, **CaaStle, Inc.**, 5 Penn Plaza, Floor 4, New York, NY 10001 (together with its successors and assigns, the "Assignee"), seeks to memorialize its ownership of our entire rights, titles, and interests in and to the Invention;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we transfer to Assignee our entire rights, titles, and interests in and to the Invention, including the above-identified U.S. patent applications and all inventions disclosed or claimed in the above-identified U.S. patent applications, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuation-in-part, reexamination, and/or reissue patent applications), any corresponding foreign applications, all patents issuing thereon, any other patent applications based off or claiming priority to the above-identified U.S. patent applications, and all rights and benefits under any applicable treaty or convention. We authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

We hereby authorize the Assignee (or its designee) to apply for patent (or similar legal protection) in its own name if desired, in any and all countries.

We represent to the Assignee that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We agree when requested, without additional consideration, but at the expense of the Assignee, to provide additional reasonable assistance necessary to memorialize this Assignment, to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and will render all assistance in filing, obtaining, maintaining, and enforcing any patent (or similar legal protection) on the Invention in any and all countries.

*Yu-Cheng Tsai*

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**Yu-Cheng TSAI**

Date **01/27/2020**

ASSIGNMENT	432469432469 00215-0016-00000432469 «XXX»«XXX»	Page 2 of 2
	Title: <b>SYSTEMS AND METHODS FOR PRODUCT IDENTIFICATION USING IMAGE ANALYSIS FROM IMAGE MASK AND TRAINED NEURAL NETWORK</b>	

*Dongming Jiang*

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**Dongming JIANG**

Date 01/27/2020

*George Goldenberg*

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**Georgiy GOLDENBERG**

Date 01/28/2020