505706548 10/03/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
MOHD ANWAR	09/12/2019	
PAUL BIOCCO	09/12/2019	

RECEIVING PARTY DATA

Name:	NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY
Street Address:	DIVISION OF RESEARCH & ECONOMIC DEVELOPMENT
Internal Address:	1601 EAST MARKET STREET
City:	GREENSBORO
State/Country:	NORTH CAROLINA
Postal Code:	27411

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16518477

CORRESPONDENCE DATA

Fax Number: (919)419-0383

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: 919-493-8000

Email: usptomail@jwth.com
Correspondent Name: ARLES A. TAYLOR, JR.

Address Line 1: 3015 CARRINGTON MILL BOULEVARD

Address Line 2: SUITE 550

Address Line 4: MORRISVILLE, NORTH CAROLINA 27560

ATTORNEY DOCKET NUMBER:	1884/24/2	
NAME OF SUBMITTER:	CONSTANCE CHIA	
SIGNATURE:	/constance chia/	
DATE SIGNED:	10/03/2019	

Total Attachments: 3

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PATENT 505706548 REEL: 050620 FRAME: 0232

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PATENT REEL: 050620 FRAME: 0233

Atty. Docket No.: 1884/24/2

ASSIGNMENT

WHEREAS, we, Mohd Anwar of Greensboro, North Carolina; and Paul Biocco of Greensboro, North Carolina (hereinafter "Assignors"), have invented certain new and useful improvements in AUTHENTICATION SYSTEMS USING SEQUENCES OF TILE SELECTIONS FROM A GRID (hereinafter "Invention") for which application for a U.S. Patent was made on July 22, 2019 as Application Serial No. 16/518,477 and claims priority to United States Patent Application No. 62/700,953 filed July 20, 2018 (hereinafter "Applications").

AND, WHEREAS, North Carolina Agricultural and Technical State University, a non-profit organization located in Greensboro, North Carolina (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 sold and by these presents do 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 Applications, and in and to any and all U.S. 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 Patents of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon (hereinafter, "Patents"), for the full end of the term for which said Patents may be granted, together with their right to claim the priority of the Applications in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, 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 Assignors if this Assignment and sale had not been made. It is expressly agreed by Assignors and Assignee that this Assignment fully conveys and transfers

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Application Serial No.: 16/518,477

from Assignors to Assignee the right to sue for any and all patent infringement occurring prior to the date of this Assignment.

Assignors hereby request that said Patents 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 the unencumbered right and authority to make this Assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to the Invention, to testify and/or assist as requested by the Assignee in any interference or legal proceedings involving the Applications, Patents, or Invention, including cooperating in any enforcement proceedings involving the Applications, Patents, or 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 Invention in all countries and to vest in the Assignee complete title to the Invention and Patents, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

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Application Serial No.: 16/518,477

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