

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIAOMING ZHANG	06/28/2019
SHENGCHUAN JIANG	06/28/2019
YUE QIU	06/28/2019
GUANGZHAO CHANG	06/28/2019
LIJUN SUN	06/28/2019
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Property Type	Number
Application Number:	16474710
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NAME OF SUBMITTER:	CHRISTOPHER C. CLOSE, JR.
SIGNATURE:	/CHRISTOPHER C. CLOSE, JR./
DATE SIGNED:	06/28/2019
Total Attachments: 2	

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ASSIGNMENT

WHEREAS, we, Xiaoming Zhang, Shengchuan Jiang, Yue Qiu, Guangzhao Chang, and Lijun Sun, ("Assignor"), have invented certain improvements in "A SYSTEM FOR DETECTING CRACK GROWTH OF ASPHALT PAVEMENT BASED ON BINOCULAR IMAGE ANALYSIS" ("Application") for which a U.S. utility application will be filed, and whereas related applications may be filed in the United States and elsewhere, and whereas

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("Assignee") desires to purchase all the rights in same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignor has and by these presents does hereby sell, assign, transfer and convey unto said Assignee the full, exclusive and entire right, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefor; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor, by these presents does sell, assign, and transfer to Assignee the full, exclusive, and entire right, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignor agrees, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid Assignee

its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

AND, for the same consideration, Assignor also hereby sells, assign and transfer unto Assignee all rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Application, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

IN WITNESS WHEREOF, We have hereunto set hand and seal this 28th day of June, 2019.

Xiaoming Zhang (SEAL)
Xiaoming Zhang

Witness: Shen Yu

Shen Yu

Date: June 28, 2019

Date: June 28 2019

Shengchuan Jiang (SEAL)
Shengchuan Jiang

Witness: Shen Yu

Shen Yu

Date: June 28 2019

Date: June 28 2019

Yue Qiu (SEAL)
Yue Qiu

Witness: Shen Yu

Shen Yu

Date: June 28 2019

Date: June 28 2019