

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6640212

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Zeying YANG	03/24/2021
Jianbo QU	03/24/2021
Shucai LI	03/24/2021
Qingsong ZHANG	03/24/2021
Xinzhuang CUI	03/24/2021
Zhi GE	03/24/2021
Hetao HOU	03/24/2021
Li TIAN	03/24/2021
Ke WU	03/24/2021
Tianmin WANG	03/24/2021
Yuhui SHAN	03/24/2021
Fengjin ZHAO	03/24/2021
Peng ZHANG	03/24/2021
Jie LIU	03/24/2021
Minghao SUN	03/24/2021
Weisong QU	03/24/2021
Cuiping QU	03/24/2021
Qianyi YANG	03/24/2021
Zhenyu ZHAO	03/24/2021
Yuntong GUO	03/24/2021
Haoze YU	03/24/2021
Yinglin SUN	03/24/2021

**RECEIVING PARTY DATA**

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<b>State/Country:</b>	China
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17282962
<b>CORRESPONDENCE DATA</b>	
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DATE SIGNED:	04/05/2021
<b>Total Attachments: 5</b>	
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**ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e))  
For Application with Filing Date on or after September 16, 2012**

**ASSIGNMENT**

<b>Insert</b>	(1) Zeying YANG	(2) Jianbo QU
<b>(1-8) Legal Name(s)</b>	(3) Shucai LI	(4) Qingsong ZHANG
<b>of Inventor(s)</b>	(5) Xinzhuang CUI	(6) Zhi GE
	(7) Hetao HOU	(8) Li TIAN
	(9) Ke WU	(10) Tianmin WANG
	(11) Yuhui SHAN	(12) Fengjin ZHAO
	(13) Peng ZHANG	(14) Jie LIU
	(15) Minghao SUN	(16) Weisong QU
	(17) Cuiping QU	(18) Qianyi YANG
	(19) Zhenyu ZHAO	(20) Yuntong GUO
	(21) Haoze YU	(22) Yinglin SUN

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

<b>(9) Insert Name of Assignee</b>	(9) SHANDONG UNIVERSITY
<b>(10) Insert Address of Assignee</b>	(10) No. 12550, Erhuan East Road, Shizhong District, Jinan, Shandong 250002, CHINA

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

<b>(11) Insert Identification such as Title, Case Number, or Foreign Application Number</b>	(11) MAGNETIC TAG SENSOR AND METHOD FOR MANUFACTURING SAME, AND RIVERBED SCOUR DETECTION DEVICE
	(Attorney Docket No. <u>195511</u> ), filed on even date herewith or as
<b>(12) Alternative Identification for filed applications</b>	(12) U.S. Application Number _____ filed _____

1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of **OLIFF PLC** the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

**(13) Declaration**

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>March 24, 2021</u>	Inventor Signature	<u>Zeying YANG</u> Zeying YANG	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Jianbo QU</u> Jianbo QU	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Shucan LI</u> Shucan LI	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Qingsong ZHANG</u> Qingsong ZHANG	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Xinzhuan CUI</u> Xinzhuan CUI	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Zhi GE</u> Zhi GE	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Hetao HOU</u> Hetao HOU	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Li TIAN</u> LI TIAN	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Ke WU</u> Ke WU	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Tianmin WANG</u> Tianmin WANG	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Yuhui SHAN</u> Yuhui SHAN	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Fengjin ZHAO</u> Fengjin ZHAO	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Peng ZHANG</u> Peng ZHANG	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Jie LIU</u> Jie LIU	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Minghao SUN</u> Minghao SUN	(SEAL)

Date	<u>March 24, 2021</u>	Inventor Signature	<u>Weisong QU</u> Weisong QU	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Cuiping QU</u> Cuiping QU	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Qianyi YANG</u> Qianyi YANG	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Zhenyu ZHAO</u> Zhenyu ZHAO	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Yunfeng GUO</u> Yunfeng GUO	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Haoze YU</u> Haoze YU	(SEAL)
Date	<u>March 24, 2021</u>	Inventor Signature	<u>Yinglin SUN</u> Yinglin SUN	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

**Date** \_\_\_\_\_ **Witness** \_\_\_\_\_

**Date** \_\_\_\_\_ **Witness** \_\_\_\_\_