505285104 01/18/2019

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| FUBAO ZHOU | 12/29/2018 |
| YIFAN ZHANG | 12/29/2018 |
| XIAOLIN SONG | 12/29/2018 |

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| State/Country: | XUZHOU CHINA |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16318707 |

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NAME OF SUBMITTER: GOKALP BAYRAMOGLU

SIGNATURE: /GOKALP BAYRAMOGLU/

PATENT 505285104 REEL: 048054 FRAME: 0568

DATE SIGNED: 01/18/2019

Total Attachments: 2
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source=GBJW056_assignment#page2.tif

PATENT REEL: 048054 FRAME: 0569

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Fubao ZHOU

(2) Yifan ZHANG

(3) Xiaolin SONG

For good and valuable consideration receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to:

Assignee(s) (a,b,c)

(9) Insert name of a) CHINA UNIVERSITY OF MINING b) JIANGSU XINCHUANG SAFETY AND TECHNOLOGY

TECHNOLOGY RESEARCH

(10) Insert state incorporation Assignee(s) (a,b,c)

a) China

b) China

INSTITUTE CO., LTD

Assignee(s) (a,b,c)

(11) Insert address of a) No. 1, Daxue Road, Tongshan, b) NO.99, Daxue Road, Tongshan, Xuzhou, Jiangsu, China 221116

Xuzhou, Jiangsu, China 221116

(hereinafter designated as the Assignees) the entire worldwide right, title, interest, and patent applications and patents for every country, including divisions, reissues, continuations and all other extensions, rights and priorities in the invention known as and subject matter contained in

(12) Insert Identification of Invention, such as Title, Case Number Foreign Application

(12) CLOSED CIRCULATION SYSTEM FOR IMPROVING OPERATING **EFFICIENCY OF GAS DRAINAGE PUMP**

Number (13)Insert Date ofFiling

Application

(13) Application is attached hereto.

and each assignee owning equal share as tenancy in common.

- The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or division applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) 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) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

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PATENT REEL: 048054 FRAME: 0570

- 5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.
 - 6) The undersigned hereby grant(s)

Gokalp Bayramogla, Reg.No. 66305

the power to insert on this assignment any further identification which 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.

| Date 12/29/2018 | Tubao zhou |
|------------------------|------------------------------|
| | Fubao ZHOU |
| Date De Comber 29, 298 | Yifan ZHANG Yifan ZHANG |
| Date Decamber 29, 2018 | Xiaolia GONG Xiaolin SONG |