

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FENG JU	09/05/2019
SHUAI GUO	09/05/2019
ZHIPENG FU	09/05/2019
PENG HUANG	09/05/2019
PINGSHAN LI	09/05/2019
YUNFEI LIU	09/05/2019
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16605122
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DATE SIGNED:	10/14/2019
Total Attachments: 5	

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to **CHINA UNIVERSITY OF MINING AND TECHNOLOGY** ("ASSIGNEE"), an entity of CHINA, having a place of business at Science Academy of China University of Mining and Technology, No. 1 University Road Xuzhou, Jiangsu 221116 CHINA, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements that are disclosed in the **Patent Application Serial No. PCT/CN2017/087329** filed on **June 6, 2017**, ASSIGNOR, does hereby authorize and request attorneys, TraskBritt, PC, of P.O. Box 2550, Salt Lake City, Utah 84110, to insert here in parenthesis (Application No. 16605122, filed October 14, 2019) the filing date and application number of this patent application when known), and titled **METHOD FOR CONTROLLING SUBSIDENCE AREA CAUSED BY UNDERGROUND MINING IN ADJOINING OPEN-PIT MINE**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof that have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents that have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this Assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof,

and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible that the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be **IRREVOCABLE** and **BINDING** upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and **EXTEND** to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNOR(S):

Feng Ju
Feng Ju

Date: 2019.9.5

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WITNESSED BY

Signature: Ming Li
Name: Ming Li
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Date: 2019.9.5

Wei Wang
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2019.9.5

Shuai Guo
Shuai Guo

Date: Sep. 5, 2019

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ACCEPTED BY ASSIGNEE:
CHINA UNIVERSITY OF MINING AND TECHNOLOGY

Lianqun Zhang
By: Lianqun Zhang
Title: IP Leader
Date: 2019.9.5.