

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YISHAN PAN	03/13/2023
HONGRUI ZHAO	03/10/2023
KUIYONG LIU	03/11/2023
HAO LUO	03/11/2023
WEI WANG	03/10/2023
YONGHUI XIAO	03/11/2023
RECEIVING PARTY DATA	
Name:	LIAONING UNIVERSITY
Street Address:	NO. 66 CHONGSHAN MIDDLE ROAD
Internal Address:	HUANGGU DISTRICT
City:	SHENYANG, LIAONING PROVINCE
State/Country:	CHINA
Postal Code:	110036
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18120626
CORRESPONDENCE DATA	
Fax Number:	(603)886-4796
<i>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.</i>	
Phone:	6038866100
Email:	admin2@mcr-ip.com
Correspondent Name:	MAINE CERNOTA & RARDIN
Address Line 1:	547 AMHERST ST., 3RD FLOOR
Address Line 4:	NASHUA, NEW HAMPSHIRE 03063
ATTORNEY DOCKET NUMBER:	RUN020-US_DPB
NAME OF SUBMITTER:	DOUGLAS P. BURUM
SIGNATURE:	/Douglas P. Burum, Reg. No. 65,019/
DATE SIGNED:	03/17/2023

Total Attachments: 2

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COMBINED DECLARATION AND ASSIGNMENT OF INVENTION

The below named inventor(s) (the Inventors) hereby declare(s) that this Declaration and Assignment is directed to:

COAL OR ROCK DYNAMIC DISASTER WARNING APPARATUS AND METHOD

The application attached hereto OR the United States application (provisional or non-provisional) or PCT international application (the Application):

Application Number: 18/120,626 Filed on: March 13, 2023

Application Number: _____ Filed on: _____

(As amended (if applicable) – and hereby request and authorize attorneys and agents associated with USPTO Customer No. **24222** to insert above the application number and file date of this application and any follow-on applications when known.)

The referenced application was made or authorized to be made by the Inventors, who are the original and/or joint inventor(s) of the invention claimed in the Application. The Inventors hereby acknowledge that any willful false statement made in this declaration are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

The Inventors have reviewed and understand the contents of the referenced application including the claims, as amended by any amendment referenced herein and acknowledge the duty to disclose information material to the patentability of the Application, as defined in 37 CFR 1.56.

In accordance with the Inventors obligations under the terms of their employment or (as applicable) arising out of other agreements, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, to

LIAONING UNIVERSITY
No. 66 Chongshan Middle Road
Huanggu District
Shenyang, Liaoning Province, 110036
China

(hereinafter referred to Assignee), the Inventors hereby sell, assign and transfer to Assignee, including its successors, assigns, nominees or legal representatives, their entire right, title and interest, including the right of priority, in, and to the invention and improvements made in any and all applications, whether United States, foreign, or International, including national and regional phases of any PCT application, and continuations, continuations-in-part (CIPs), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto including the right of priority under the International Convention which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.

The Inventors additionally hereby authorize Assignee to file applications in their name(s) for Letters Patent in any country, to be held and enjoyed by Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by them, had this assignment and transfer not been made;

The Inventors hereby covenant that they have a full right to convey their entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith, and further covenant and agree that they, as well as their heirs, executors, and administrators, will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent to Assignee, its successors, assigns, nominees or legal representatives, and further agree to communicate to Assignee, or to its nominee, all known facts respecting said invention(s) or improvement(s) said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, CIPs, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything reasonable to aid Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvements(s) in any and all countries; and

The Inventors hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to Assignee, as assignee of their entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment:

2023.3.13
Date Signed

潘一山
Yishan Pan

Witness Signature

Witness Printed Name

2023.3.10
Date Signed

赵宏瑞
Hongrui Zhao

Witness Signature

Witness Printed Name

2023.3.11
Date Signed

刘魁勇
Kuiyong Liu

Witness Signature

Witness Printed Name

2023.3.11
Date Signed

罗浩
Hao Luo

Witness Signature

Witness Printed Name

2023.3.10
Date Signed

王伟
Wei Wang

Witness Signature

Witness Printed Name

2023.3.11
Date Signed

肖永惠
Yonghui Xiao

Witness Signature

Witness Printed Name