PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	507449774

CONVEYING PARTY DATA

Name	Execution Date
NORTHEASTERN UNIVERSITY	07/25/2022

RECEIVING PARTY DATA

Name:	LIAONING DONGYU MAGNESIUM RESEARCH TECHNOLOGY CO., LTD
Street Address:	NO. 861-3 (1303) E03-1303-23 IN UPPER SHINKO VILLAGE, HUNNAN DISTRICT
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State/Country:	CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	10047413

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NAME OF SUBMITTER:	RISAKA ONO
SIGNATURE:	/Risaka Ono/
DATE SIGNED:	08/25/2022

Total Attachments: 2

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ASSIGNMENT OF PATENT

WHEREAS NORTHEASTERN UNIVERSITY, a university incorporated and existing under the laws of People's Republic of China, whose address is No.11, Lane 3. Wenhua Road, Heping District, Shenyang, Liaoning, 110819, People's Republic of China (hereinafter referred to as the ASSIGNOR), is an owner, by assignment, of the United States Letters Patent No. 10,047,413, issued August 14, 2018 (hereinafter referred to as said PATENT), and the invention described and claimed therein as listed below:

Method for Smelting Magnesium Quickly and Continuously

AND WHEREAS, LIAONING DONGYU MAGNESIUM RESEARCH TECHNOLOGY CO., LTD, a corporation incorporated and existing under the laws of People's Republic of China, whose address is No. 861-3 (1303) E03-1303-23 in Upper Shinko Village, Hunnan District, Shenyang City, Liaoning Province, People's Republic of China, (hereinafter referred to as the ASSIGNEE), is desirous of acquiring the entire right, title and interest for the United States to said PATENT and the inventions and improvements disclosed therein, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and in and to any and all divisions, and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all reexaminations, reissues, renewals, revalidations, prolongations and/or extensions thereof.

NOW THEREFORE, in consideration of the sum of one U.S. dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby assigns, sells, transfers and sets over onto the ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States to said PATENT and the inventions and improvements disclosed therein, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and in and to any and all divisions, and continuations thereof, and any and all Letters Patent which may be granted thereon. including any and all reexaminations, reissues, renewals, revalidations, prolongations and/or extensions thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including the terms of any and all divisions, continuations, reexaminations, reissues. renewals, revalidations, prolongations and/or extensions thereof, the ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent, and any and all divisions, continuations, reexaminations, reissues, renewals, revalidations, prolongations and/or extensions thereof, respectively, and including all causes of action that may have accrued with respect to said PATENT, any patent damages from infringement, and any royalties that may be owed and due thereon, and all claims for damages by reason of past infringement of said PATENT with the right to sue for, and collect the same for the ASSIGNEE's own use, all as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the same consideration aforesaid, the ASSIGNOR agrees that the ASSIGNOR will, upon request, without expense to ASSIGNEE, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reexamination, reissue, renewal, revalidations and/or

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extension applications thereof in the United States, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by the ASSIGNEE, or any assignee thereof, or by counsel for the ASSIGNEE, to assist or enable the ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This Assignment shall be binding upon the ASSIGNOR and the heirs, executors, administrators, successors and/or assigns of the ASSIGNOR, and shall inure to the benefit of the ASSIGNEE and the heirs, executors, administrators, successors, beneficiaries, distributees and/or assigns, as the case may be, of the ASSIGNEE.

AND the ASSIGNOR authorizes and requests the Director of the U.S. Patent and Trademark Office, when applicable, to issue Letters Patent on said PATENT, and on any divisions and continuations thereof, to the ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this Assignment is executed by the duly authorized officer of the ASSIGNOR.

Date Signature

FENG, Xiating Principal
Printed Name and Title

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RECORDED: 08/22/2022