PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5617267

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDWARD GREEN	01/29/2019
DANYANG LI	01/29/2019

RECEIVING PARTY DATA

Name:	BERRY METAL COMPANY
Street Address:	2408 EVANS CITY ROAD
City:	HARMONY
State/Country:	PENNSYLVANIA
Postal Code:	16037

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	62717043
Application Number:	16384015

CORRESPONDENCE DATA

Fax Number: (212)218-2200

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.

Phone: 2023344000

Email: DLGodfrey@Venable.com

VENABLE LLP Correspondent Name:

Address Line 1: 1290 AVENUE OF THE AMERICAS

Address Line 2: 140364.441623 BLK

Address Line 4: **NEW YORK, NEW YORK 10104-3800**

ATTORNEY DOCKET NUMBER:	140364.441623
NAME OF SUBMITTER:	BRIAN L. KLOCK
SIGNATURE:	/Brian L. Klock/
DATE SIGNED:	07/15/2019

Total Attachments: 2

source=140364.441623 Assignment Green & Li - to - Berry Metal Company#page1.tif source=140364.441623 Assignment Green & Li - to - Berry Metal Company#page2.tif

PATENT REEL: 049748 FRAME: 0492 505570469

ASSIGNMENT

For valuable consideration, the receipt and sufficiency of which are hereby acknowledged, WE

Edward Green, and

Danyang Li

hereby assign, transfer, and convey unto Berry Metal Company

a corporation of Delaware

having a place of business at 2408 Evans City Road Harmony, PA 16037

its successors, assigns and legal representatives (hereinafter called the "Assignee"), all such right, title, and interest, for all countries, that we have now or may acquire in and to certain inventions relating to

FLASH IRONMAKING DROP TUBE FURNACE SYSTEM

and described in a provisional application for Letters Patent of the United States filed on August 10, 2018 and assigned U.S. Application No. 62/717,043, and in and to said provisional application, and further described in a non-provisional application for Letters Patent of the United States filed on April 15, 2019 _ and assigned U.S. Application No. 16/384,015 and in and to said non-provisional application, and all divisions, renewals, continuations, and continuations-in-part of said non-provisional application, and all Letters Patent of the United States which may be granted on any such applications, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower said Assignee, or its nominees, to invoke and claim for any application for such Letters Patent or other grants of protection ensuing from said provisional application or said non-provisional application for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

Page 1 of 2

PATENT REEL: 049748 FRAME: 0493 AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

AND we hereby authorize and request the attorneys of Venable LLP to insert on the lines above the filing date and application number of said non-provisional application when known.

By: Edward Green
Edward Green

Date: 1/29/19

By: Varry

Date: ________