PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5851951

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
DANIEL SHAW	06/24/2019
JAMES SAVILLE	06/24/2019
JOHN WILLIAMS	06/25/2019
TREVOR N. MUSTOE	06/25/2019

RECEIVING PARTY DATA

Name:	MM METALS USA, LLC	
Street Address:	4000 CHEMICAL ROAD	
Internal Address:	SUITE 401	
City:	PLYMOUTH MEETING	
State/Country:	PENNSYLVANIA	
Postal Code:	19462	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16704015

CORRESPONDENCE DATA

Fax Number: (215)751-1142

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: 215-567-2010

Email: dmbrown@crbcp.com **Correspondent Name:** CAESAR RIVISE PC Address Line 1: 1635 MARKET STREET

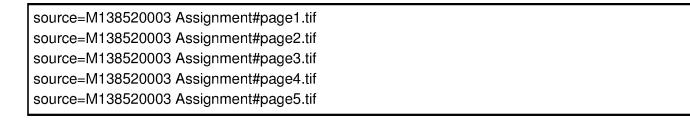
Address Line 2: 12TH FLOOR

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ATTORNEY DOCKET NUMBER:	M1385/20003	
NAME OF SUBMITTER: BARRY A. STEIN		
SIGNATURE:	/barry a stein/	
DATE SIGNED:	12/05/2019	

Total Attachments: 5

PATENT REEL: 051189 FRAME: 0543



PATENT REEL: 051189 FRAME: 0544

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned hereby sell, assign and transfer to:

Name: MM Metals USA, LLC
Address: 4000 Chemical Road, Suite 401, Plymouth Meeting, PA 19462

its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my/our whole and entire right, title and interest, in and throughout the United States, its territories and all countries foreign thereto, in and to any and all invention(s) which are disclosed in the following Application:

U.S. Patent Application Serial No.: 16/454,283

Title: METHOD AND SYSTEM FOR PRODUCING LOW CARBON FERROCHROME

FROM CHROMITE ORE AND LOW CARBON FERROCHROME PRODUCED

THEREBY

Filed: June 27, 2019

Attorney Docket No: M1385/20001

and any improvements thereon which I/we make, conceive or acquire during the course of my/our association with Assignee, and for one year thereafter, and in and to said Application and any and all Letters Patent and extensions thereof of the United States and countries foreign thereto which have been or may be granted on said invention(s) or any part thereof, or any improvements thereon or on said Application, or any divisional, continuing, renewal, reissue, or other application and all international priority rights associated therewith, based in whole or in part thereon, or based upon said invention(s), or any improvements thereon.

I/We agree that said Assignee may apply for and receive Letters Patent for said invention(s) in its own name; and when requested, without charge to, but at the expense of said Assignee, I/we agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said invention(s), by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me/us relating to said invention(s) and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said invention(s) and for vesting title to said invention(s) and all applications for patents and all patents on said invention(s), in said Assignee.

I/We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

I/We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been, or will be, made to others by me/us, and that full right to convey the same as herein expressed is possessed by me/us.

I/We hereby authorize said Assignce to insert on this Assignment the serial number and filing date of the above-identified application when they become available.

IN WITNESS WHEREOF, having read the aforesaid Assignment and intending to be legally bound thereby, I have hereunto affixed my hand and seal on this

Name: Daniel Shaw

Address: 222 Booth Lane

Haverford, PA 19041-1717

	WHEREOF, having ally bound thereby, I have	read the aforesaid Assignment and re hereunto affixed my hand and seal on this
24 & day of	Ture	, 20/9
(day)	(month)	(year)
		James Acinile
		Name: James Saville
		Address: 28479 Waterview Drive
		Fortage 331 21601 2222

IN WITNESS WHEREOF, having read the aforesaid Assignment and intending to be legally bound thereby, I have hereunto affixed my hand and seal on this

25 day of (day) (month) (year)

Name: John Williams

Address: 4 Saint Denys Close

Stanford in the Vale

Oxfordshire 8NJ

England, U.K.

IN WITNESS WHEREOF, having read the aforesaid Assignment and intending to be legally bound thereby, I have hereunto affixed my hand and seal on this

 $\frac{25}{\text{(day)}}$ day of $\frac{2019}{\text{(month)}}$ $\frac{2019}{\text{(year)}}$

Name: Trevor N. Mustoe

Address: Fuente de San Pedro Mza. 19

Super Mza 56

Playa Del Carmen

Solidaridad, Quintana Roo

Mexico 77712