

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PAUL V. COOPER	02/22/2016
RECEIVING PARTY DATA		
Name:	MOLTEN METAL EQUIPMENT INNOVATIONS, LLC	
Street Address:	15510 OLD STATE ROAD	
City:	MIDDLEFIELD	
State/Country:	OHIO	
Postal Code:	44062	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15916089
CORRESPONDENCE DATA		
Fax Number:	(602)382-6070	
<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:	(602) 382-6225	
Email:	ipdocket@swlaw.com	
Correspondent Name:	DAVID E. ROGERS - SNELL & WILMER L.L.P.	
Address Line 1:	400 EAST VAN BUREN STREET	
Address Line 2:	ONE ARIZONA CENTER	
Address Line 4:	PHOENIX, ARIZONA 85004-2202	
ATTORNEY DOCKET NUMBER:	59925.02417	
NAME OF SUBMITTER:	DAVID E. ROGERS	
SIGNATURE:	/David E. Rogers/	
DATE SIGNED:	01/07/2021	
Total Attachments: 3		
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ASSIGNMENT

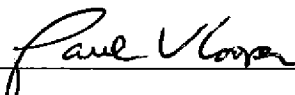
PATENT

WHEREAS, the undersigned inventor (hereafter referred to as "ASSIGNOR"), has invented subject matter disclosed and/or claimed in the patents and patent applications listed in the attached Schedule A (the "Inventions"); and

WHEREAS, Molten Metal Equipment Innovations, LLC, (hereafter "ASSIGNEE"), a Limited Liability Company organized and existing under the laws of the State of Delaware, and having its principal place of business at 15510 Old State Road, Middlefield, Ohio 44062, is desirous of acquiring all interest in the Inventions;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR assigns and transfers to ASSIGNEE, its successors and assigns, the full and exclusive right to the Inventions, and any applications claiming priority to any of the Inventions, worldwide, together with the right of priority under any laws, treaties or agreements;

EXECUTED as of the date(s) written below by ASSIGNOR:

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Paul. V. Cooper	13005 Cassie Lane Chesterland, Ohio 44026		2/22/16

SNELL & WILMER L.L.P.
One Arizona Center
400 East Van Buren
Phoenix, Arizona 85004-2202
(602) 382-6000

SCHEDULE A

Application No.	Filing date	Patent No.	Grant Date	Title of Invention
13/725,383	12/21/2012			TRANSFERRING MOLTEN METAL FROM ONE STRUCTURE TO ANOTHER
13/800,460	03/13/2013			MOLTEN METAL ROTOR WITH HARDENED TOP
13/838,601	03/15/2013			SYSTEM AND METHOD FOR COMPONENT MAINTENANCE
13/841,938	03/15/2013			TRANSFER PUMP LAUNDER SYSTEM
13/843,947	03/15/2013			VESSEL TRANSFER INSERT AND SYSTEM
13/973,962	08/22/2013			ROTARY DEGASSERS AND COMPONENTS THEREFOR
14/027,237	09/15/2013			ROTARY DEGASSER AND ROTOR THEREFOR
14/286,442	05/23/2014			SYSTEM AND METHOD FOR DEGASSING MOLTEN METAL
62/110,899	02/02/2015			MOLTEN METAL ROTOR WITH HARDENED BLADE TIPS
14/662,100	03/18/2015			VESSEL TRANSFER INSERT AND SYSTEM
14/687,806	04/15/2015			LADLE WITH TRANSFER CONDUIT
14/689,879	04/17/2015			TRANSFERRING MOLTEN METAL USING NON-GRAVITY ASSIST LAUNDER
14/690,064	04/17/2015			TENSIONING DEVICE EXTENDING BEYOND COMPONENT
14/690,099	04/17/2015			THREADED TENSIONING DEVICE
14/690,218	04/17/2015			TENSION DEVICE GRAPHITE COMPONENT USED IN MOLTEN METAL
14/690,174	04/17/2015			TENSION DEVICE WITH INTERNAL PASSAGE
14/715,435	05/18/2015			GAS-TRANSFER FOOT
14/745,845	06/22/2015			TRANSFERRING MOLTEN METAL FROM ONE STRUCTURE TO ANOTHER
14/746,593	06/22/2015			TRANSFERRING MOLTEN METAL FROM ONE STRUCTURE TO ANOTHER
14/791,137	07/02/2015			COUPLING AND ROTOR SHAFT FOR MOLTEN METAL DEVICES
14/791,166	07/02/2015			ROTOR AND ROTOR SHAFT FOR MOLTEN METAL
14/804,157	07/20/2015			IMMERSION HEATER FOR MOLTEN METAL
14/880,998	10/15/2015			MOLTEN METAL TRANSFER SYSTEM AND ROTOR
14/918,471	10/20/2015			ROTARY DEGASSER AND ROTOR THEREFOR
14/923,296	10/26/2015			ROTARY DEGASSERS AND COMPONENTS THEREFOR

SCHEDULE A

Application No.	Filing date	Patent No.	Grant Date	Title of Invention
13/752,312	01/28/2013	9,034,244	05/19/2015	GAS-TRANSFER FOOT
13/756,468	01/31/2013	8,753,563	06/17/2014	SYSTEM AND METHOD FOR DEGASSING MOLTEN METAL
13/791,889	03/08/2013	9,080,577	07/14/2015	SHAFT AND POST TENSIONING DEVICE
13/797,616	03/12/2013	9,017,597	04/28/2015	TRANSFERRING MOLTEN METAL USING NON-GRAVITY ASSIST LAUNDER
13/830,031	03/14/2013	9,011,761	04/21/2015	LADLE WITH TRANSFER CONDUIT