504223777 02/10/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4270454

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK WILLIAM CHARBONNEAU	10/28/2012
KEVIN PATRICK MCHUGH	10/19/2012
AARON MORGAN HUBER	09/28/2012

RECEIVING PARTY DATA

Name:	JOHNS MANVILLE
Street Address:	717 SEVENTEENTH STREET
City:	DENVER
State/Country:	COLORADO
Postal Code:	80202

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15358286

CORRESPONDENCE DATA

Fax Number: (303)978-2323

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: 3039785200 Email: lavoie@jm.com **Correspondent Name:** JOHNS MANVILLE Address Line 1: 10100 W UTE AVENUE

Address Line 4: LITTLETON, COLORADO 80127

ATTORNEY DOCKET NUMBER:	8154D
NAME OF SUBMITTER:	DENIS LAVOIE
SIGNATURE:	/dl/
DATE SIGNED:	02/10/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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> **PATENT** REEL: 041230 FRAME: 0646

504223777

ASSIGNMENT

WHEREAS we, Mark William Charbonneau, 555 South Quail Street, Lakewood, Colorado 80226; Kevin Patrick McHugh, 6085 West Frost Drive, Littleton, Colorado 80128; and Aaron Morgan Huber, 7710 Saxeborough Drive, Castle Rock, Colorado 80108, have invented certain new and useful improvements in

SUBMERGED COMBUSTION MELTERS HAVING AN EXTENDED TREATMENT ZONE AND METHODS OF PRODUCING MOLTEN GLASS

for which we have signed an application for Letters Patent of the United States;

AND WHEREAS JOHNS MANVILLE, a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 717 Seventeenth Street, in the City & County of Denver and State of Colorado, is desirous of acquiring the entire interest in said invention and in the said application for Letters Patent therefor, and in any Letters Patent which may be obtained therefor:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN THAT, for good and valuable consideration, the receipt of which is hereby acknowledged, we Mark William Charbonneau and Kevin Patrick McHugh, have signed and transferred, and do hereby sell, assign and transfer unto said Johns Manville, its successors and assigns, the entire right title and interest in and to the said invention as fully set forth and described in the specification forming a part of said application for Letters Patent of the United States, and in and to said application, and in and to any and all Letters Patent of the United States which may be issued thereon, and any and all Letters Patent which may be granted for said invention in foreign countries, for the use and benefit of said Johns Manville, its successors and assigns.

AND we do hereby authorize and request the U.S. Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States which may be granted upon said application, or upon any divisional, continuing, substitute, reissue or renewal application or applications, to said Johns Manville, as the assignee of the entire right, title and interest in and to the same.

PATENT REEL: 041230 FRAME: 0647 AND we do hereby agree properly to execute and sign without further compensation any powers of attorney, assignments, applications or other papers which may be necessary fully to secure to said Johns Manville, its successors and assigns, the invention shown and described in said application in this or any foreign country, and also to sign any divisional, continuing, substitute, reissue or renewal application or applications which may be desired by the owner of the Letters Patent or Letters Patents which may be issued for the said invention.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set out below.

Inventor's Signature Mark William Charbonneau	
Date <i>{O-2-8-</i> -72	
Inventor's Signature Kevin Patrick McHugh	Ĺ.S
Date	
Inventor's Signature OM QUE Aaron Morgan Huber	L.S
Date 28 Sec 2017	

PATENT REEL: 041230 FRAME: 0648

RECORDED: 02/10/2017