

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6788110

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MANUEL GENSCH	05/05/2021
MARTIN FOERSTER	05/03/2021
NAINA DEIBEL	05/03/2021
ANTJE OLTERSDORF	05/04/2021
JUERGEN KOCH	05/14/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UMICORE AG & CO. KG
<b>Street Address:</b>	RODENBACHER CHAUSSEE 4
<b>City:</b>	HANAU-WOLFGANG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	63457
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17292068
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)263-4329
<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>	
<b>Phone:</b>	202.263.4300
<b>Email:</b>	docketing@sgrlaw.com
<b>Correspondent Name:</b>	SMITH, GAMBRELL & RUSSELL, LLP
<b>Address Line 1:</b>	1055 THOMAS JEFFERSON STREET
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	WASHINGTON, D.C. 20007
<b>ATTORNEY DOCKET NUMBER:</b>	034166.353
<b>NAME OF SUBMITTER:</b>	DENNIS C. RODGERS
<b>SIGNATURE:</b>	/Dennis C. Rodgers/
<b>DATE SIGNED:</b>	06/29/2021
<b>Total Attachments: 15</b>	

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## ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

**HIGH-FILTRATION EFFICIENCY WALL-FLOW FILTER**

and which is found in (*check one*):

- ☐ A patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment (U.S. Application No. \_\_\_\_\_);
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- ☐ U.S. Patent No. \_\_, issued \_\_ (date).

The PATENT PROPERTY assigned under this agreement is (*check one*):

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- ☐ Worldwide Patent Property: The entire right, title and interest for the United States and its territorial possessions and in all foreign countries in and to the invention identified above, any and all improvements thereof, and any legal equivalent thereof in a foreign country, the right to claim priority including the right to claim priority to any earlier patent applications for said invention, and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 U.S.C. 111(a), or substitute thereof, and any reissue, reexamination, or extension of said Letters Patent, and all rights under all International Conventions for the Protection of Industrial Property, and the right to sue and recover for any past infringement, and where applicable, the right to file and/or prosecute any applications for said invention as Applicant and/or the right to have said Letters Patent issue with the Assignee as named Applicant.

The following ASSIGNEE is the recipient of the PATENT PROPERTY:

UMICORE AG & CO. KG  
Rodenbacher Chaussee 4  
Hanau-Wolfgang, GERMANY  
63457

This ASSIGNEE is (*check one*):

- ☐ An Individual;
- ☐ A Partnership;
- ☒ A Corporation/Entity of Germany (specify state or country); or
- ☐ (other)

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The ASSIGNOR(S) authorize any attorneys and agents of record and/or who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

IN WITNESS WHEREOF, the below designated ASSIGNOR(S) and ASSIGNEE have executed this ASSIGNMENT:

ASSIGNORSignature: M. GenschDate: 05.05.2021Name: Manuel GENSCH

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Martin FOERSTER

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Naina DEIBEL

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Anlie OLTERSDORF

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Juergen KOCHASSIGNEESignature: [Signature]Date: 05/10/21Name: I.V. Dr. Stefan Retzow  
Senior IP Manageracting in official capacity on behalf of  
UMICORE AG & CO. KGSignature: [Signature]Date: May 19, 2021Name: I.V. Dr. Ralf Muley  
Senior IP Manageracting in official capacity on behalf of  
UMICORE AG & CO. KG

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**Rodenbacher Chaussee 4**  
**Hanau-Wolfgang, GERMANY**  
**63457**

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A18162-US-PCT

034166.353


Inventors-to-Assignee

IN WITNESS WHEREOF, the below designated ASSIGNOR(S) and ASSIGNEE have executed this ASSIGNMENT:

ASSIGNOR

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Manuel GENSCH

Signature:  Date: 03.05.21

Name: Martin FOERSTER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Naina DEIBEL


Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Antje OLTERSDORF

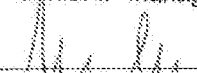
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Juergen KOCH

ASSIGNEE

Signature:  Date: 05/10/21

Name: I.V. Dr. Stefan Retzow acting in official capacity on behalf of  
Senior IP Manager DORE AG & CO. KG

Signature:  Date: May 19, 2021

Name: \_\_\_\_\_ acting in official capacity on behalf of  
Senior IP Manager DORE AG & CO. KG



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034166.353

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ASSIGNOR

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Manuel GENSCH

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Martin FOERSTERSignature: DubelDate: 03.05.21Name: Naina DEIBEL

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Anja OLTERSDORF

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Juergen KOCHASSIGNEESignature: Stefan RetzowDate: 05/10/21

Name: I.V. Dr. Stefan Retzow acting in official capacity on behalf of  
Senior IP Manager UMICORE AG & CO. KG

Signature: MuleyDate: May 5, 2021

Name: I.V. Dr. Ralf Muley acting in official capacity on behalf of  
UMICORE AG & CO. KG

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Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Naina DEISEL

Signature:  \_\_\_\_\_

Date: **04.05.2021**

Name: Antje OLTERSDORF

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Juergen KOCH

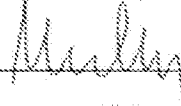
ASSIGNEE

Signature:  \_\_\_\_\_

Date: 05/10/21

Name: I.V. Dr. St.  
Senior IP Manager

acting in official capacity on behalf of  
UMICORE AG & CO. KG

Signature:  \_\_\_\_\_

Date: May 19, 2021

Name: I.V. Dr. Balf Muley  
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Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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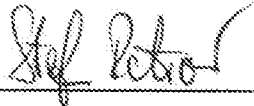
Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Naina DEIBEL

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: Antje OLTERSDORFSignature: Date: 14.05.2021Name: Juergen KOCH**ASSIGNEE**Signature: Date: 2021-06-01

Name: I.V. Dr. Stefan Retzow acting in official capacity on behalf of  
Senior IP Manager UMICORE AG & CO. KG

Signature: Date: June 9, 2021

Name: I.V. Dr. Ralf Muley acting in official capacity on behalf of  
Senior IP Manager UMICORE AG & CO. KG