503938827 07/29/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3985481

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT SCHAEFER	05/19/2016
LOUIS WALL	06/07/2016

RECEIVING PARTY DATA

Name:	UMICORE AG & CO.KG	
Street Address:	RODENBACHER CHAUSSEE 4	
City:	HANAU-WOLFGANG	
State/Country:	GERMANY	
Postal Code:	63457	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15039450

CORRESPONDENCE DATA

Fax Number: (202)263-4329

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: 202.263.4300

Email: dcdocketing@sgrlaw.com

Correspondent Name: SMITH, GAMBRELL & RUSSELL, LLP Address Line 1: 1055 THOMAS JEFFERSON STREET

Address Line 2: SUITE 400

Address Line 4: WASHINGTON, D.C. 20007

ATTORNEY DOCKET NUMBER:	034166.261
NAME OF SUBMITTER:	DENNIS C. RODGERS
SIGNATURE: /Dennis C. Rodgers/	
DATE SIGNED:	07/29/2016

Total Attachments: 6

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PATENT 503938827 REEL: 039295 FRAME: 0468

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PATENT REEL: 039295 FRAME: 0469

ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

COATING METHOD

and v	/hich is found in <i>(check one)</i> ::
	A patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment (U.S. Application No);
	U.S. Patent Application No, filed _ ;
	A U.S. Patent Application based on PCT International Application No filed on _ (U.S. Application No);
\boxtimes	PCT International Application No. <u>PCT/EP2014/075420</u> filed on <u>November 24, 2014</u> (U.S. Application No; and/or
	U.S. Patent No, issued _ (date).
The f	PATENT PROPERTY assigned under this agreement is (check one):
	U.S. Patent Property only: The entire right, title and interest for the United States and its territorial possessions in and to the invention identified above, any and all improvements thereof, 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 the right to sue and recover for any past infringement, the right to file and/or prosecute any applications for said invention as Applicant, and the right to have said Letters Patent issue with the Assignee as named Applicant, or
	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.

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Inventors-to-Assignee

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;
\boxtimes	A Corporation/Entity of Germany (specify state or country); or
	(other)

In consideration of the premises hereof, and other good and valuable consideration, receipt of which is acknowledged, the ASSIGNOR(S) hereby sell, assign and transfer to the ASSIGNEE, its successors, assigns, and legal representatives, the PATENT PROPERTY.

As to all U.S. Patent Property assigned under this agreement, the ASSIGNOR(S) hereby authorize and request the Director of the U.S. Patent & Trademark Office to issue said Letters Patent and any reissue or extension thereof to the ASSIGNEE.

The ASSIGNOR(S) hereby agree that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Further, the ASSIGNOR(S) hereby agree to communicate to said ASSIGNEE, its successors, assigns, and legal representatives, any facts known to the ASSIGNOR(S) respecting said invention, promptly provide upon request all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(s), testify in any interference, derivation, post grant review, inter partes review, litigation, or legal proceeding relating to the PATENT PROPERTY, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors, assigns, and legal representatives, to obtain and enforce proper protection for said invention.

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.

Page 2 of 3

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

ASSIGNOR	
Signature: B. Sch	Date: 19.05.16
Signature:	Date;
ASSIGNEE	
Signature: Stef River	Date: (2) 12 th 2016
Name: i.V. Dr. Stefan Retzow Seniof IP Manager	_ acting in official capacity on behalf of UMICORE AG & CO. KG
Signature:	Date: July 13 2016
Name:i, V, Dr. Ralf Muley Senior IP Manager	_ acting in official capacity on behalf of UMICORE AG & CO. KG

ASSIGNMENT

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COATING METHOD

and w	hich is found in (check one)::
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	U.S. Patent Application No, filed _ ;
	A U.S. Patent Application based on PCT International Application No filed on _ (U.S. Application No);
\boxtimes	PCT International Application No. <u>PCT/EP2014/075420</u> filed on <u>November 24, 2014</u> (U.S. Application No; and/or
	U.S. Patent No, issued _ (date).
The F	PATENT PROPERTY assigned under this agreement is (check one):
	U.S. Patent Property only: The entire right, title and interest for the United States and its territorial possessions in and to the invention identified above, any and all improvements thereof, 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 the right to sue and recover for any past infringement, the right to file and/or prosecute any applications for said invention as Applicant, and the right to have said Letters Patent issue with the Assignee as named Applicant, or
	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

Page 1 of 3

Inventors-to-Assignee

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

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	An Individual;
	A Partnership;
\boxtimes	A Corporation/Entity of Germany (specify state or country); or
	(other)

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The ASSIGNOR(S) hereby agree that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Further, the ASSIGNOR(S) hereby agree to communicate to said ASSIGNEE, its successors, assigns, and legal representatives, any facts known to the ASSIGNOR(S) respecting said invention, promptly provide upon request all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(s), testify in any interference, derivation, post grant review, inter partes review, litigation, or legal proceeding relating to the PATENT PROPERTY, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors, assigns, and legal representatives, to obtain and enforce proper protection for said invention.

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Page 2 of 3

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

<u>ASSIGNOR</u>	
Signature:	Date:
Name: Robert SCHAEFER	
Signature: Law M. Wall	Date: June 7, 2016
Name: Louis WALL	
•	
ASSIGNEE AL PAS	Date: July 12th 2016
Signature:	Date
Name: i.V. Dr. Stefan Retzow Senior IP Manager	_ acting in official capacity on behalf of UMICORE AG & CO. KG
Signature:	Date: July 13 2011
Name: I.V. Dr. Ralf Muley	acting in official capacity on behalf of UMICORE AG & CO. KG

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RECORDED: 07/29/2016