

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4980166

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HALDOR TOPSØE A/S	11/30/2017
<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>PCT Number:</b>	EP2017051913
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)540-8020
<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>	2024868020
<b>Email:</b>	suzannah@canadylortz.com
<b>Correspondent Name:</b>	SUZANNAH K. SUNDBY, ESQ.
<b>Address Line 1:</b>	1050 30TH STREET, NW
<b>Address Line 2:</b>	CANADY + LORTZ LLP
<b>Address Line 4:</b>	WASHINGTON, D.C. 20007
<b>ATTORNEY DOCKET NUMBER:</b>	342012.098US1
<b>NAME OF SUBMITTER:</b>	SUZANNAH K. SUNDBY
<b>SIGNATURE:</b>	/Suzannah K. Sundby/
<b>DATE SIGNED:</b>	05/29/2018
<b>Total Attachments: 5</b>	
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MASTER ASSIGNMENT AGREEMENT

This MASTER ASSIGNMENT AGREEMENT ("Assignment") is effective as of 30 November 2017 (the "Effective Date") by Haldor Topsøe A/S ("Assignor"), a company under the laws of Denmark, with corporate domicile in Lyngby, and having its registered office at Haldor Topsøes Allé 1, DK-2800 Kgs. Lyngby, Denmark and company registration number 41853816, ("Assignor"), UMICORE, Broekstraat 31 rue du Marais, 1000 Brussels, Belgium and Reg. no. 0401.574.852 ("Umicore") and Umicore AG & Co. KG, a company registered under the laws of Germany with its principal offices at Rodenbacher Chaussee 4 63457 Hanau-Wolfgang Germany and VAT number DE119066058 ("Assignee") (each, a "Party," and collectively, the "Parties").

BACKGROUND

WHEREAS, Assignor has sold its automotive and stationary DeNOx business areas to Umicore pursuant to a framework asset and share purchase agreement (hereinafter referred to as the "Transaction" and "FASPA" respectively);

WHEREAS, in connection with the Transaction, Assignor and Umicore have entered into an IPR Transfer and License Agreement (referred to herein as "the Transfer Agreement").

WHEREAS, Umicore has designated its subsidiary Assignee to acquire the Transferred IP.

WHEREAS, Transferred IP includes the patents, utility models and trademarks listed in the attached Annex 1 (hereinafter collectively defined as "IP");

WHEREAS, in connection with the designation of Assignee, Assignee (as well as Umicore) shall fulfill Umicore's obligations under the Transfer Agreement and Umicore shall remain fully responsible for breach of the Assignee's obligations; and

WHEREAS, pursuant to the Transfer Agreement and in accordance with the above designation, Assignor desires to assign all of Assignor's right, title and interest in, to and under the IP to Assignee, and Assignee desires to acquire all of Assignor's right, title and interest in, to and under the IP.

## TERMS

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. **Assignment.** Effective as of the Effective Date, Assignor does hereby sell, assign, transfer and set over to Assignee, its successors, legal representatives and assigns, all of Assignor's right, title and interest in, to and under the IP, in respect of trademarks together with all of the goodwill symbolized by or associated with such trademarks (however expressly excluded goodwill symbolized by or associated with the Assignor's name), together with all registrations and applications for registration of the IP, all claims, demands, rights of recovery, damages or profit that Assignor has or may have for past or future infringements, dilution or other violations of such IP, if any, and all rights to compromise, sue for and collect on such claims, demands and rights to recover in its own name and that of its successors or assigns.
2. **Further Action.** The Parties shall, and shall cause their respective Affiliates to, use commercially reasonable efforts to take, or cause to be taken, all appropriate action, to do, or cause to be done, all things necessary, proper or advisable under applicable Law and to execute and deliver such documents and other papers, as may be required to carry out the provisions of this Assignment and consummate and make effective the transactions contemplated by this Assignment including execution of individual assignment documentation for filing with the authorities of each individual country; provided, that, as between the Parties, Assignee shall be responsible for the preparation and filing of such documents and other instruments that may be necessary to record or perfect Assignee's right, title and interest in and to the IP (including, without limitation, with any applicable Governmental Authorities), and for any and all costs, expenses and fees associated therewith.
3. **Counterparts.** This Assignment may be executed and delivered (including by facsimile or other means of electronic transmission, such as by electronic mail in "pdf" form) in one or more counterparts, and by the different Parties in separate counterparts, each of which when executed shall be deemed to be an original, but all of which taken together shall constitute one and the same agreement.
4. **Conflict.** If there is any conflict between the Transfer Agreement and this Assignment, each of the Transfer Agreement and this Assignment is to be interpreted and construed, if possible, so as to avoid or minimize such conflict, but, to the extent (and only to the extent) of such conflict, the Transfer Agreement shall prevail and control.
5. **Governing Law.** All matters arising out of or relating to this Assignment and its schedules and exhibits (whether arising in contract, tort, equity or otherwise) shall be governed by and construed in accordance with the Laws of the Kingdom of Denmark (without reference to its principles of conflicts of law).
6. **Arbitration.** Any dispute arising out of or relating to this Assignment or the Transaction shall be finally settled by an arbitration tribunal in Stockholm consisting of three arbitrators in accordance with the Rules of Procedure of the Stockholm Chamber of Commerce (Swedish Arbitration). Each Party shall be entitled to appoint one arbitrator, and the third arbitrator, which shall be the chairman of the arbitral tribunal, shall be appointed by the Stockholm Chamber of Commerce.

IN WITNESS THEREOF, the Parties have caused this Assignment to be to be effective as of the Effective Date.

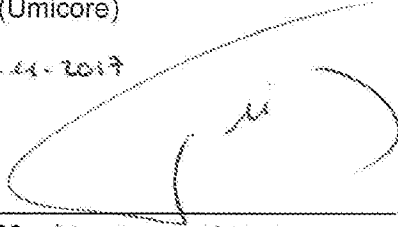
Haldor Topsøe A/S (Assignor)

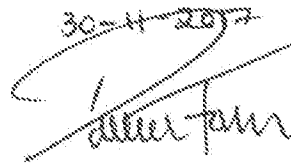
Date: 28-11-2017

By:   
Bjerne Steffen Clausen  
CEO & President

UMICORE (Umicore)

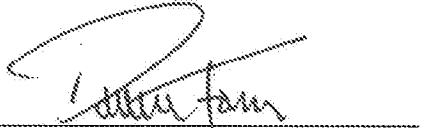
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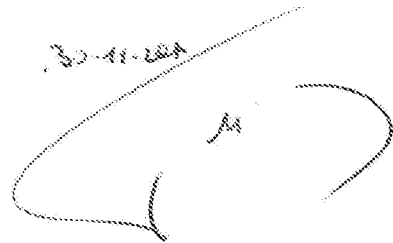
By:   
Name BRANCHOU CREAMAYER  
Title SENIOR LEGAL COUNSEL

30-11-2017  
  
DENNIS FOREMAN  
DIRECTOR BUSINESS DEVELOPMENT

Umicore AG & Co. KG (Assignee)

Date: 30-11-2017

By:   
Name DENNIS FOREMAN  
Title DIRECTOR BUSINESS DEVELOPMENT

30-11-2017  
  
BRANCHOU CREAMAYER  
SENIOR LEGAL COUNSEL

India	201617024507	
India	7759/CHENP/2014	
India	2842/DELNP/2015	
India	201717041206	
Indonesia	W-00201202393	
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International (PCT)	PCT/EP2016/065950	
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International (PCT)	PCT/EP2017/051913	
International (PCT)	PCT/EP2017/054883	
International (PCT)	PCT/EP2017/067243	



*Handwritten initials/signature*

From the INTERNATIONAL BUREAU

# PCT

## NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

To:

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

Date of mailing ( <i>day/month/year</i> ) 05 January 2018 (05.01.2018)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference PAT-160742-WO-PCT	
International application No. PCT/EP2017/051913	International filing date ( <i>day/month/year</i> ) 30 January 2017 (30.01.2017)

1. The following indications appeared on record concerning:

the applicant       the inventor       the agent       the common representative

Name and Address HALDOR TOPSØE A/S Haldor Topsøes Allé 1 2800 Kgs. Lyngby Denmark	State of Nationality DK	State of Residence DK
	Telephone No.	
	Facsimile No.	
	E-mail address	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person       the name       the address       the nationality       the residence

Name and Address UMICORE AG & CO. KG Rodenbacher Chaussee 4 63457 Hanau-Wolfgang Germany	State of Nationality DE	State of Residence DE
	Telephone No.	
	Facsimile No.	
	E-mail address <input type="checkbox"/> Notifications by e-mail authorized	

3. Further observations, if necessary:  
Please note the new applicant's file reference, as indicated above.

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the International Preliminary Examining Authority
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the Authority(ies) specified for supplementary search	<input type="checkbox"/> the elected Offices concerned
	<input checked="" type="checkbox"/> other: HALDOR TOPSØE A/S

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Blanc Veronique e-mail pct.team5@wipo.int Telephone No. +41 22 338 74 05
Facsimile No. +41 22 338 82 70	