505791920 11/26/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREAS HORNUNG	01/17/2019
CLEMENS SCHMETTERER	04/25/2019
DANIELA DOMMEL	05/15/2019

RECEIVING PARTY DATA

Name:	FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	
Street Address:	HANSASTRASSE 27C	
City:	MUNICH	
State/Country:	GERMANY	
Postal Code:	80686	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16319778

CORRESPONDENCE DATA

Fax Number: (216)621-4072

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: 216-621-2234 Email: jsherrill@tarolli.com RICHARD A. SUTKUS **Correspondent Name:** Address Line 1: 1300 E. 9TH STREET

Address Line 2: **SUITE 1700**

Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER:	MPG-028327US PCT
NAME OF SUBMITTER:	RICHARD A. SUTKUS
SIGNATURE:	/Richard A. Sutkus/
DATE SIGNED:	11/26/2019

Total Attachments: 3

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> **PATENT** REEL: 051113 FRAME: 0284

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PATENT REEL: 051113 FRAME: 0285

Attorney Docket No. MPG-028327US PCT

Serial No. 14/380,501

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made.

WHEREAS, FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., having a place of business at Hansastrasse 27c, 80686, Munich, Germany is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon.

NCW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, Insofar as my interest is concerned, to the said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., as assignee of my entire right, title and interest.

I also hereby sell and assign to FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	METHOD FOR THE DEHYDROGENATION OF ORGANIC MOLECULES
SIGNATURE OF INVENTOR AND NAME	Andreas Hornung
DATE	17 01 2013
RESIDENCE (CITY AND STATE)	Elswiesen 7 76185, Karlsruhe, Germany

TITLE OF INVENTION	METHOD FOR THE DEHYDROGENATION OF ORGANIC MOLECULES
SIGNATURE OF INVENTOR AND NAME	Clemens Schmetterer
DATE	
RESIDENCE (CITY AND STATE)	Bayreutherstr. 2 92237, Sulzbach-Rosenberg, Germany

PATENT REEL: 051113 FRAME: 0286

Attorney Docket No. MPG-028327US PCT

Serial No. 14/380,501

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made.

WHEREAS, FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., having a place of business at Hansastrasse 27c, 80686, Munich, Germany is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., as assignee of my entire right, title and interest.

I also hereby sell and assign to FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	METHOD FOR THE DEHYDROGENATION OF ORGANIC MOLECULES
SIGNATURE OF INVENTOR AND NAME	Andreas Hornung
DATE	
RESIDENCE (CITY AND STATE)	Eiswiesen 7 76185, Karlsruhe, Germany

TITLE OF INVENTION	METHOD FOR THE DEHYDROGENATION OF ORGANIC MOLECULES
SIGNATURE OF INVENTOR AND NAME	Clamens Schmetterer
DATE	25.4.2019
RESIDENCE (CITY AND STATE)	Bayreutherstr. 2 Suchof St. 163/3/5 92237, Sulzbach-Rosenberg, Germany 1130 Wisco, Austri's

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<u> </u>	TITLE OF INVENTION	METHOD FOR THE DEHYDROGENATION OF ORGANIC MOLECULES
	SIGNATURE OF INVENTOR AND NAME	Daniela Dommel
	DATE	
RESIDENCE (CITY AND STATE)		Ulmenstr. 13d 91586, Lichtenau, Germany

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RECORDED: 11/26/2019