504773052 02/12/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4819780

		NEW ASSIGNMENT	
NATURE OF CONVEYAN	ICE:	ASSIGNMENT	
CONVEYING PARTY DA	ATA		
		Name	Execution Date
JAKOB ALBERT			02/02/2018
PETER WASSERSCHEID			02/02/2018
NICOLA TACCARDI			02/02/2018
JENS NAGENGAST			02/05/2018
MATTHIAS KEHRER		02/05/2018	
JULIAN KADAR			02/02/2018
RECEIVING PARTY DA	 TA		
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State/Country:	GERMANY		
Postal Code:	91054		
PROPERTY NUMBERS	Total: 1		_
Property Type		Number	
	15	Number 5661016	
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Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	ATA (5 e sent to th provided; i 51 luk TH Of CE CI	5661016 13)712-0401 he e-mail address first; if that is u if that is unsuccessful, it will be s 3-983-0400 kas.ca@pg.com HE PROCTER & GAMBLE COMPA NE PROCTER & GAMBLE COMPA NE PROCTER & GAMBLE PLAZA ENTRAL DOCKETING, C9 NCINNATI, OHIO 45202	sent via US Mail.

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GLOBAL GENERAL ASSIGNMENT

WHEREAS I/we, the undersigned inventor(s) hereby declare that I/we, alone or jointly with the other inventor(s) identified herein, have made certain invention(s), as set forth in a patent application (including industrial designs and utility models), whether claimed or unclaimed, entitled Catalysts For Making Acrylic Acid From Lactic Acid Or Its Derivatives In Liquid Phase Attorney's Docket No. 14438ML and filed in the United States Patent Office as Serial Number 15/661,016, on July 27, 2017 and/or the corresponding application filed in the PCT as Serial Number , on

[I/we grant the hereinafter named assignee and/or any person authorized thereby, the power to insert in this document, the Serial Number and filing date of each application identified above when ascertained.) having named inventors:

- Jakob ALBERT of Friedrich Alexander Universitat Erlangen-Nurnberg, Erlangern 92052, DE; Peter WASSERSCHEID of Friedrich Alexander Universitat Erlangen-Nurnberg, Erlangern 92052, DE;
- Nicola TACCARDI of Friedrich Alexander Universitat Erlangen-Nurnberg, Erlangern 92052, DE;
- Jens NAGENGAST of Friedrich Alexander Universitat Erlangen-Nurnberg, Erlangern 92052, DE;
- Matthias KEHRER of Friedrich Alexander Universitat Erlangen-Nurnberg, Erlangern 92052, DE;

Julian KADAR of Friedrich Alexander Universitat Erlangen-Nurnberg, Erlangern 92052, DE;

I/We made said invention(s) set forth in said patent application while employed by, or otherwise under an obligation to assign said invention(s) to Friedrich Alexander Univistat Erlangen-Numberg of Schlossplatz 4, Erlangen 91052 DE or one of its Affiliates, and acknowledge my/our obligation at the time the invention(s) was made to assign said invention(s) to Friedrich Alexander Univistat Erlangen-Numberg or the Affiliate, respectively. Pursuant to said obligation (and in the case of employment by or obligation to the Affiliate, at the request of the Affiliate), and/or for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we assign to Friedrich Alexander Univistat Erlangen-Numberg, its legal representatives, successors and assigns, my/our entire right, title, and interest, in the United States and throughout the world, in, to and under said invention(s) and all patents, patent applications, patent rights, and inventor's certificates thereof, therefore, and therein, including without limitation said application, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all patents which may be granted for said invention(s) by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefore (including the right to claim priority of the filing date of said application in the United States and/or under international conventions), as fully and completely as the same would have been held by me/us had this assignment not been made. My/our entire right, title and interest shall vest irrevocably in Friedrich Alexander Univistat Erlangen-Numberg. I/We further agree to, without additional compensation but at no expense to me/us, to execute or assent to any and all applications for said invention(s), execute all other legal documents as may be necessary or desirable to vest and maintain the enjoyment of the rights assigned, and to cooperate with Friedrich Alexander Univistat Erlangen-Numberg, its legal representatives, successors and assigns, or as said Company may direct, in any pre-grant, post-grant or other proceedings relating to the rights assigned herein.

I/We request and authorize the Commissioner of Patents and Trademarks and/or appropriately empowered officials of foreign countries to issue any and all Patent(s) and/or letters patent(s) which may be granted for said invention(s) herein assigned and as set forth in U. S. Application Serial Number to Friedrich Alexander Univistat Erlangen-Numberg, its legal representatives, successors or assigns, as assignee of my/our entire right, title, and interest in said Patent(s).

PATENT REEL: 044893 FRAME: 0885

This GLOBAL GENERAL ASSIGNMENT is effective as of the earlier of 1) the date of execution shown below, or 2) the filing date of the first-filed of said patent application(s).

Signed: Jakob ALBERT

STATEMENT OF WITNESS:

I declare that I was personally present and did see $\frac{7 + 6 + 5}{4 + 6 + 5} + \frac{4 + 6 + 5}{4 + 6 + 5}$ duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

PREUSTE YATRICK.

Witness printed name

Witness signature

eter WASSERSCHEID

<u>2017-02-02</u> Date

STATEMENT OF WITNESS:

I declare that I was personally present and did see \underline{Pelev} $\underline{Wasterreford}$ duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

PATRICIZ PREWSTER

Witness printed name

2018 Date

Witness signature

Signed:

Nicola TACCARDI

STATEMENT OF WITNESS:

I declare that I was personally present and did see <u>Micola</u> <u>Tacearch</u> duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

PATRICK PREUSTER

Witness printed name

Witness signature

PATENT REEL: 044893 FRAME: 0886

Attorney Docket Number 14438ML Page 3 of 3

STATEMENT OF WITNESS:

I declare that I was personally present and did see $\frac{f_{cas}}{f_{cas}} \frac{w_{aparagets}}{f_{cas}} \frac{f}{f_{cas}}$ duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

PATRICIZ PREUSTER Witness printed name

Witness signature

05.02.18 Date

Matthias KEHR

Signed:

STATEMENT OF WITNESS:

I declare that I was personally present and did see Matthews kelow duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

PATRICIL PREUSTER Witness printed name

Signed: Kadr

Julian KADAR

STATEMENT OF WITNESS:

I declare that I was personally present and did see $\sum \omega L_{inv}$ Kadar duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

PATRICIZ PREUSTER

Witness printed name

02. Feb. 20.18 Date

Witness signature

PATENT REEL: 044893 FRAME: 0887

RECORDED: 02/12/2018

Witness signature