### 502249973 03/01/2013

### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Robert FRANKE	01/29/2013
Dirk FRIDAG	11/15/2012
Bart HAMERS	11/15/2012
Horst-Werner ZANTHOFF	11/21/2012
Matthias BLUG	11/19/2012
Julia STRAUTMANN	01/21/2013
Stefan NORDHOFF	11/15/2012

### **RECEIVING PARTY DATA**

Name:	Evonik Oxeno GmbH
Street Address:	Paul-Baumann-Str. 1
City:	Marl
State/Country:	GERMANY
Postal Code:	45772

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13703925

### **CORRESPONDENCE DATA**

502249973

**Fax Number**: 7034132220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (703) 413-3000
Email: asomaiel@oblon.com
Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 407389US99XPCT

REEL: 029906 FRAME: 0832

\$40.00 13703925

PATENT

NAME OF SUBMITTER:	Adel Samuel
Total Attachments: 14	
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source=407389USAssignment#page14.tif	

Page 1 of 2

	WHEREAS, I (WE)	Robert Franke, Uerdinger Str. 3, 45772 Marl, Germany	
SERT NAMES ND RESIDENCE DDRESS OF		Dirk Fridag, Augustusstr. 12, 45721 Haltern am See, Germany	
E INVENTORS:		Bart Hamers, Waldstr. 24, 46284 Dorsten, Germany	
		Horst-Werner Zanthoff, Luxemburger Allee 93, 45481 Mülheim a.d. Ruhr, G	ermany
		Matthias Blug, Fischenbergstraße 10, 58455 Witten, Germany	
		Julia Strautmann, Heinz-Haber-Straße 3, 68163 Mannheim, Germany	
		Stefan Nordhoff, Beisinger Weg 93, 45657 Recklinghausen, Germany	
SERT TITLE FINVENTION:			, respectively,
SERT DATE IN-	have invented certain	n new and useful improvements in: Energy-efficient synthesis	s of aliphatic
ECLARATION:	aldehydes made of	f alkanes and carbon dioxide	
ISERT NAME ND ADDRESS OF	for which an applicati executed on	on for Letters Patent was	
OMPANY OR THER ASSIGNEE	(Application No. PC	T/EP2011/060021 , filed 16 June 2011	), and
		to as "ASSIGNEE") having a place of busines	
	Paul-Baumann-Str.	1, 45772 Marl, Germany	

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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/ . . \_\_\_

Date: 29, Jan. 2013		left for	
	(Signature of Inventor)	Robert Franke	
Date:			
	(Signature of Inventor)	Dirk Fridag	<del></del>
Date:			
	(Signature of Inventor)	Bart Hamers	
Date:			
	(Signature of Inventor)	Horst-Werner Zanthoff	
Date:			
	(Signature of Inventor)	Matthias Blug	
Date:			
	(Signature of Inventor)	Julia Strautmann	
Date:			
	(Signature of Inventor)	Stefan Nordhoff	
Date:			
	(Signature of Inventor)		
Date:			
	(Signature of Inventor)		
Date:			
* * * * * * * * * * * * * * * * * * * *	(Signature of Inventor)		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Page 1 of 2

	WHEREAS, I (WI	E) Robert Franke, Uerdinger	r. 3, 45772 Marl, Germany	
RT NAMES RESIDENCE PRESS OF		Dirk Fridag, Augustusstr. 1	, 45721 Haltern am See, Germany	
INVENTORS:		Bart Harners, Waldstr. 24,	6284 Dorsten, Germany	
		Horst-Werner Zanthoff, Lu	emburger Allee 93, 45481 Mülheim	a.d. Ruhr, Germany
		Matthias Blug, Fischenberg	traße 10, 58455 Witten, Germany	
		Julia Strautmann, Heinz-H	per-Straße 3, 68163 Mannheim, Ge	ermany
		Stefan Nordhoff, Beisinger	Veg 93, 45657 Recklinghausen, Ge	ermany
LE ION;		·····		, respectively
	have invented cer	tain new and useful improv	ments in: Energy-efficient	
TE IN- IGNED ION:		e of alkanes and carbon d		
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OR IGNEE	(Application No.	PCT/EP2011/060021	, filed <b>16 June 2011</b>	), and
		Evonik Oxeno GmbH red to as "ASSIGNEE") havi	g a place of busines	
		Str 1	<del></del>	

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Date:		
	(Signature of Inventor)	Robert Franke
Date: 15 M. 2012		Dick Fiel
	(Signature of Inventor)	Dirk Fridag
Date:		
	(Signature of Inventor)	Bart Hamers
Date:		
	(Signature of Inventor)	Horst-Werner Zanthoff
Date:		
	(Signature of Inventor)	Matthias Blug
Date:		
	(Signature of Inventor)	Julia Strautmann
Date:		
	(Signature of Inventor)	Stefan Nordhoff
Date:		
	(Signature of Inventor)	
Date:		
	(Signature of Inventor)	
Date:		
	(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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HE INVENTORS:		Bart Hamers, Waldstr. 24, 46284 Dorsten, Germany	
		Horst-Werner Zanthoff, Luxemburger Allee 93, 45481 Mülheim a.d. Ruhr, G	ermany
		Matthias Blug, Fischenbergstraße 10, 58455 Witten, Germany	
		Julia Strautmann, Heinz-Haber-Straße 3, 68163 Mannheim, Germany	
		Stefan Nordhoff, Beisinger Weg 93, 45657 Recklinghausen, Germany	· · · · -
SERT TITLE F INVENTION:			, respectively
SERT DATE IN-	have invented certain	n new and useful improvements in: Energy-efficient synthesis	of aliphatic
ENTORS SIGNED ECLARATION:	aldahydae mada of	f alkanes and carbon dioxide	
		ion for Letters Patent was	
SERT NAME	executed on		
ND ADDRESS OF OMPANY OR THER ASSIGNEE	(Application No. PC	CT/EP2011/060021 , filed _16 June 2011	), and
	WHEREAS. Ev	onik Oxeno GmbH	
		to as "ASSIGNEE") having a place of busines	
	Paul-Baumann-Str.	1, 45772 Mari, Germany	

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Date:				
	· .	(Signature of Inventor)	Robert Franke	<del>- (**</del>
Date:				
	<del></del> :	(Signature of Inventor)	Dirk Fridag	
Date: 15-11-20	12	R	im	
		(Signature of Inventor)	Baft Hamers	
Date:				
<del></del>		(Signature of Inventor)	Horst-Werner Zanthoff	
Date:				
		(Signature of Inventor)	Matthias Blug	
Date:				
		(Signature of Inventor)	Julia Strautmann	
Date:				
		(Signature of Inventor)	Stefan Nordhoff	
Date:				
		(Signature of Inventor)		
Date:				
Date.		(Signature of Inventor)		
Date:				
Date:	and a section	(Signature of Inventor)		<del></del>

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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Page 1 of 2

<del></del> .	Dirk Fridag, Augustusstr. 1	0 45704 Halla			
		2, 45/2   Haite	rn am See, Germany		
· - · · · -	Bart Hamers, Waldstr. 24,	46284 Dorsten	, Germany		
	Horst-Werner Zanthoff, Lu	xemburger Alle	e 93, 45481 Mülheim a.d. Ruhi	r, Germany	
	Matthias Blug, Fischenberg	gstraße 10, 584	I55 Witten, Germany		
	Julia Strautmann, Heinz-H	aber-Straße 3,	68163 Mannheim, Germany		
	Stefan Nordhoff, Beisinger	Weg 93, 4565	7 Recklinghausen, Germany		
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	des made of	Matthias Blug, Fischenberg  Julia Strautmann, Heinz-H  Stefan Nordhoff, Beisinger  vented certain new and useful improvemate design and carbon design and application for Letters Patent was	Matthias Blug, Fischenbergstraße 10, 584  Julia Strautmann, Heinz-Haber-Straße 3,  Stefan Nordhoff, Beisinger Weg 93, 4565  rented certain new and useful improvements in: I  des made of alkanes and carbon dioxide h an application for Letters Patent was	Matthias Blug, Fischenbergstraße 10, 58455 Witten, Germany  Julia Strautmann, Heinz-Haber-Straße 3, 68163 Mannheim, Germany  Stefan Nordhoff, Beisinger Weg 93, 45657 Recklinghausen, Germany  vented certain new and useful improvements in: Energy-efficient synthematical materials and carbon dioxide han application for Letters Patent was	Julia Strautmann, Heinz-Haber-Straße 3, 68163 Mannheim, Germany  Stefan Nordhoff, Beisinger Weg 93, 45657 Recklinghausen, Germany

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Date:					
		· · .	(Signature of Inventor)	Dirk Fridag	<del>-</del> .
Date: _			·		
			(Signature of Inventor)	Bart Hamers	-
Date: _	21.11.12		Host Roe.	Hol	
			(Signature of Inventor)	Horst-Werner Zanthoff	-
Date: _					
			(Signature of Inventor)	Matthias Blug	-
Date: _					
			(Signature of Inventor)	Julia Strautmann	-
Date:		_			
			(Signature of Inventor)	Stefan Nordhoff	_
Date:					
_	1	_	(Signature of Inventor)		_
Date:					
_			(Signature of Inventor)		_
Date: _					
			(Signature of Inventor)		_

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<del></del> -	Stefan Nordhoff, Beisinger Weg 93, 45657 Recklinghausen, Germany				
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Date:	* .			
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Date:				
		(Signature of Inventor)	Bart Hamers	
Date:	· 			
		(Signature of Inventor)	Horst-Werner Zanthoff	
Date: 13. M. 12		A. C.		
		(Signature of Inventor)	Matthias Blug	
Date:				
		(Signature of Inventor)	Julia Strautmann	
Date:				
		(Signature of Inventor)	Stefan Nordhoff	
Date:				
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	Dirk Fridag, Augustusstr. 12	2, 45721 Halte	ern am See, Germany			
	Bart Hamers, Waldstr. 24, 4	6284 Dorstei	n, Germany			
	Horst-Werner Zanthoff, Lux	emburger Alle	ee 93, 45481 Mülheim a.d. Ruhr, 0	Germany		
	Matthias Blug, Fischenberg	straße 10, 58	3455 Witten, Germany			
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Date:		
	(Signature of Inventor) Robert Franke	
Date:		
	(Signature of Inventor) Dirk Fridag	
Date:		<del>_</del>
	(Signature of Inventor) Bart Hamers	
Date:		
	(Signature of Inventor) Horst-Werner Zanthoff	
Date:		
	(Signature of Inventor) Matthias Blug	
Date: 21. 1. 2013	Julia Shaulwuu (Signatyre of Inventor) Julia Strautmann	
	(Signature of Inventor) Julia Strautmann	
Date:		···
	(Signature of Inventor) Stefan Nordhoff	
Date:		
	(Signature of Inventor)	
Date:		
	(Signature of Inventor)	
Date:	(Figure 1)	
	(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Page 1 of 2

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····	Bart Hamers, Waldstr. 24, 4	6284 Dorster	ı, Germany	
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Patent that may b foreign countries;	uiring the entire right, title a e granted therefore in the U	nd interest nited State	in and to said invention and in as and its territorial possession	n and to any Letters is and in any and all
hereby acknowled	lged, and for other good an	d valuable	of FIVE DOLLARS (\$5.00), the consideration, I (WE), by the exclusive right to the said investigation.	se presents do sell.

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Date:		,	
<del></del>		(Signature of Inventor)	Dirk Fridag
Date:			
		(Signature of Inventor)	Bart Hamers
Date:			
		(Signature of Inventor)	Horst-Werner Zanthoff
Date:			
		(Signature of Inventor)	Matthias Blug
Date:			
Date:	12/11/15	(Signature of Inventor)	Julia Strautmann  Stefan vordhoff
D-4		(o.g.i.acci	Vocation
Date:		(Signature of Inventor)	
Date:			
		(Signature of Inventor)	
Date:			
		(Signature of Inventor)	

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