### PATENT ASSIGNMENT

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

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Thomas HAAS	10/27/2010
Thomas TACKE	10/26/2010
Achim MARX	10/25/2010
Alexander SCHRAVEN	11/05/2010
Olivier ZEHNACKER	10/28/2010
Eva Maria WITTMANN	10/25/2010

#### **RECEIVING PARTY DATA**

Name:	EVONIK ROEHM GmbH
Street Address:	Kirschenallee
City:	Darmstadt
State/Country:	GERMANY
Postal Code:	64293

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13002519

#### CORRESPONDENCE DATA

Fax Number: (703)413-2220

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

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

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 372468US

NAME OF SUBMITTER: Toben R. Clemons

PATENT

501404712 REEL: 025629 FRAME: 0549

OP \$40,00 13002519

Total Attachments: 12
source=372468USasn#page1.tif
source=372468USasn#page3.tif
source=372468USasn#page4.tif
source=372468USasn#page5.tif
source=372468USasn#page6.tif
source=372468USasn#page7.tif
source=372468USasn#page7.tif
source=372468USasn#page8.tif
source=372468USasn#page9.tif
source=372468USasn#page11.tif
source=372468USasn#page11.tif
source=372468USasn#page11.tif

PATENT REEL: 025629 FRAME: 0550

INSERT NAMES AND RESIDENCE	WHEREAS, I (WE) Dr. Thomas Haas; Backenkamp 9; 48161 Münster; GERMANY;  Dr. Thomas Tacke; Rannenbergring 20; 63755 Alzenau; GERMANY;	
ADDRESS OF THE INVENTORS:	Dr. Achim Marx; Im Börner 19; 63571 Gelnhausen; GERMANY;	
	Alexander Schraven; Habichtstr. 7; 47661 Issum; GERMANY;	
	Olivier Zehnacker; Von Bruchhausen-Str. 1; 45657 Recklinghausen; GERMANY;	
	Eva Maria Wittmann; Tilsiter Weg 22; 83301 Traunreut; GERMANY	
		respectively
INSERT TITLE OF INVENTION:	have invented certain new and useful improvements in: METHOD FOR THE PRODUCTION OF FREE CARBOXYLIC ACIDS	respectively
	(Application No. <u>13/002,519</u> , filed <u>January 4, 2011</u>	), and
INSERT NAME	WHEREAS, EVONIK RÖHM GMBH	
AND ADDRESS OF COMPANY OR OTHER ASSIGNEE	(hereinafter referred to as "ASSIGNEE") having a place of business at: Kirschenallee, 64293 Darmstadt,	Germany is

(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>Kirschenallee</u>, 64293 <u>Darmstadt</u>, <u>Germany</u> 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;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	27, 10.10	T.		
		(Signature of Inventor)	Dr. Thomas Haas	
Date:				
	_	(Signature of Inventor)	Dr. Thomas Tacke	
Date: _				
		(Signature of Inventor)	Dr. Achim Marx	
Date:				
		(Signature of Inventor)	Alexander Schraven	
Date:				
		(Signature of Inventor)	Olivier Zehnacker	
Date:				
		(Signature of Inventor)	Eva Maria Wittmann	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

INSERT NAMES
AND RESIDENCE
ADDRESS OF

W	/HEREAS, I (WE) Dr. Thomas Haas; Backenkamp 9; 48161 Münster; GERMANY;	
E s:  —	Dr. Thomas Tacke; Rannenbergring 20; 63755 Alzenau; GERMANY;	
s:	Dr. Achim Marx; Im Börner 19; 63571 Gelnhausen; GERMANY;	
	Alexander Schraven; Habichtstr. 7; 47661 Issum; GERMANY;	
	Olivier Zehnacker; Von Bruchhausen-Str. 1; 45657 Recklinghausen; GERMANY;	
	Eva Maria Wittmann; Tilsiter Weg 22; 83301 Traunreut; GERMANY	
_		
_		
_		
_		
_		
_		
_		
-		, respectively,
<sub>F</sub> h	have invented certain new and useful improvements in: METHOD FOR THE PRODUCTION OF FREE	
-	CARBOXYLIC ACIDS	
(	(Application No. 13/002,519 , filed January 4, 2011	), and
•		
	WHEREAS EVONIK RÖHM GMRH	

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNMENT

(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>Kirschenallee</u>, 64293 <u>Darmstadt</u>, <u>Germany</u> 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;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:				
Date: _	Oct. 26, 200	(Signature of Inventor) (Signature of Inventor)	Dr. Thomas Haas  Dr. Thomas Tacke	
Date: _		(Simple of State of S		
_		(Signature of Inventor)	Dr. Achim Marx	
Date: _		(Signature of Inventor)	Alexander Schraven	
Date: _		(8)		
Date:		(Signature of Inventor)	Olivier Zehnacker	
Date	·	(Signature of Inventor)	Eva Maria Wittmann	

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

WHEREAS, EVONIK RÖHM GMBH

## **Assignment of Application**

E WITE	EREAS, I (WE) Dr. Thomas Haas; Backenkamp 9; 48161 Münster; GERMANY;  Dr. Thomas Tacke; Rannenbergring 20; 63755 Alzenau; GERMANY;	
s:		
	Dr. Achim Marx; Im Börner 19; 63571 Gelnhausen; GERMANY;	
	Alexander Schraven; Habichtstr. 7; 47661 Issum; GERMANY;	
	Olivier Zehnacker; Von Bruchhausen-Str. 1; 45657 Recklinghausen; GERMANY;	
	Eva Maria Wittmann; Tilsiter Weg 22; 83301 Traunreut; GERMANY	
-		
		, respectively
		.,
<sub>r</sub> have	e invented certain new and useful improvements in: METHOD FOR THE PRODUCTION OF FREE	
CAR	RBOXYLIC ACIDS	
(Apr	nlication No. 13/002 519 filed Tanyany 4 2017	) and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>Kirschenallee</u>, 64293 <u>Darmstadt</u>, <u>Germany</u> 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;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	(Signature of Inventor)	Dr. Thomas Haas
Date:	(Signature of Inventor)	Dr. Thomas Tacke
Date: XOctober 25, 2010	(Signature of Inventor)	Dr. Achim Marx
Date:	(Signature of Inventor)	Alexander Schraven
Date:	(Signature of Inventor)	Olivier Zehnacker
Date:	(Signature of Inventor)	
	(Signature of mychtor)	Eva Maria Wittmann

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

12/04

PATENT REEL: 025629 FRAME: 0556

WHEREAS, EVONIK RÖHM GMBH

# **Assignment of Application**

ISERT NAMES	WHEREAS, I (WE) Dr. Thomas Haas; Backenkamp 9; 48161 Münster; GERMANY;	
ND RESIDENCE DDRESS OF HE INVENTORS:	Dr. Thomas Tacke; Rannenbergring 20; 63755 Alzenau; GERMANY;	
TE INVENTORS:	Dr. Achim Marx; Im Börner 19; 63571 Gelnhausen; GERMANY;	
	Alexander Schraven; Habichtstr. 7; 47661 Issum; GERMANY;	
	Olivier Zehnacker; Von Bruchhausen-Str. 1; 45657 Recklinghausen; GERMANY;	
	Eva Maria Wittmann; Tilsiter Weg 22; 83301 Traunreut; GERMANY	
		respectively
		respectively
SERT TITLE OF	have invented certain new and useful improvements in: METHOD FOR THE PRODUCTION OF FREE	
IVENTION:	CARBOXYLIC ACIDS	
	(Application No. <u>13/002,519</u> , filed <u>January 4, 2011</u>	), and

INSERT NAME OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: Kirschenallee, 64293 Darmstadt, 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;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:		
	(Signature of Inventor)	Dr. Thomas Haas
Date:		
	(Signature of Inventor)	Dr. Thomas Tacke
Date:		
	(Signature of Inventor)	Dr. Achim Marx
Date: 05.11.2010	A. Sell	
	(Signature of Inventor)	Alexander Schraven
Date:		
	(Signature of Inventor)	Olivier Zehnacker
Date:		
	(Signature of Inventor)	Eva Maria Wittmann

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

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

ISERT NAMES	WHEREAS, I (WE) Dr. Thomas Haas; Backenkamp 9; 48161 Münster; GERMANY;			
ND RESIDENCE DDRESS OF	Dr. Thomas Tacke; Rannenbergring 20; 63755 Alzenau; GERMANY;			
HE INVENTORS:	Dr.Achim Marx; Im Börner 19; 63571 Gelnhausen; GERMANY;			
	Alexander Schraven; Habichtstr. 7; 47661 Issum; GERMANY;			
	Olivier Zehnacker; Von Bruchhausen-Str. 1; 45657 Recklinghausen; GERMANY;			
	Eva Maria Wittmann; Tilsiter Weg 22; 83301 Traunreut; GERMANY			
		, respectively		
	have invented certain new and useful improvements in: METHOD FOR THE PRODUCTION OF FREE			
VSERT TITLE OF VVENTION:	CARBOXYLIC ACIDS			
	(Application No. 13/002,519 , filed <u>January 4, 2011</u>	), and		
	WHEREAS, EVONIK RÖHM GMBH			

INSERT NAME AND ADDRESS OF COMPANY OR

(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>Kirschenallee</u>, 64293 <u>Darmstadt</u>, <u>Germany</u> 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;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:					
		-	(Signature of Inventor)	Dr. Thomas Haas	
Date:		_			
			(Signature of Inventor)	Dr. Thomas Tacke	
Date:		_			
			(Signature of Inventor)	Dr. Achim Marx	
Date:		_			
			(Signature of Inventor)	Alexander Schraven	
Date:	28/10/10	$\leq$	7 20	La che	
			(Signature of Inventor)	Olivier Zehnacker	
Date:		_			
			(Signature of Inventor)	Eva Maria Wittmann	

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

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

NSERT NAMES
AND RESIDENCE
ADDRESS OF
THE BUTTORS.

WHEREAS, I (WE) Dr. Thomas Haas; Backenkamp 9; 48161 Münster; GERMANY;	
Dr. Thomas Tacke; Rannenbergring 20; 63755 Alzenau; GERMANY;	
Dr. Achim Marx; Im Börner 19; 63571 Gelnhausen; GERMANY;	
Alexander Schraven; Habichtstr. 7; 47661 Issum; GERMANY;	
Olivier Zehnacker; Von Bruchhausen-Str. 1; 45657 Recklinghausen; GERMANY;	
Eva Maria Wittmann; Tilsiter Weg 22; 83301 Traunreut; GERMANY	
	, respectively,
have invented certain new and useful improvements in: METHOD FOR THE PRODUCTION OF FREE	
CARBOXYLIC ACIDS	
(Application No. 13/002,519 , filed January 4, 2011	), and
WHEREAS, EVONIK RÖHM GMBH	

INSERT NAME AND ADDRESS OF COMPANY OR

(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>Kirschenallee</u>, 64293 <u>Darmstadt</u>, <u>Germany</u> 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;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:				
		(Signature of Inventor)	Dr. Thomas Haas	
Date:				
		(Signature of Inventor)	Dr. Thomas Tacke	
Date:				
		(Signature of Inventor)	Dr. Achim Marx	
Date:				
		(Signature of Inventor)	Alexander Schraven	
Date:				
		(Signature of Inventor)	Olivier Zehnacker	
Date:	25.10.2010	(a (a)	undun	
		(Signature of Inventor)	Eva Maria Wittmann	

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

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

12/04

RECORDED: 01/13/2011

PATENT REEL: 025629 FRAME: 0562