PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2589690

502544198			REEL: 031468 FRAME: 0799
Correspondent Name:		DN, SPIVAK, ET AL.	PATENT
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CORRESPONDENCE	DATA		
Application Number:		14000067	
Property Ty	уре		Number
PROPERTY NUMBER	RS Total: 1		
	140120		
Postal Code:	Germany 45128		
City: State/Country:			
	Rellinghauser		
Name: Street Address:	Evonik Degus		
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MARIE-DOMINIQUE	PRZYBYLSKI-I	-KEUND	10/15/2013
ANDREAS PFENNIG			06/26/2013
HARALD HAEGER			06/20/2013
THOMAS TACKE			06/24/2013
JAN CHRISTOPH PF	EFFER		06/20/2013
ANJA SCHUBERT			06/20/2013
MARKUS POETTER			06/17/2013
DANIEL DEMICOLI			06/20/2013
MARTIN ROOS			06/20/2013
THOMAS HAAS			06/20/2013
FRANK ERHARDT			06/20/2013
		Name	Execution Date
CONVEYING PARTY	DATA		
NATURE OF CONVEYANCE: ASSIGNMENT			

Address Line 1: 1940 DUKI Address Line 4: ALEXAND	E STREET RIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	419927US
NAME OF SUBMITTER:	CHRISTINA WALDER
Signature:	/Christina Walder/
Date:	10/24/2013
Total Attachments: 22 source=419927USASSIGNMENT#page1.tit source=419927USASSIGNMENT#page2.tit source=419927USASSIGNMENT#page3.tit source=419927USASSIGNMENT#page5.tit source=419927USASSIGNMENT#page6.tit source=419927USASSIGNMENT#page7.tit source=419927USASSIGNMENT#page7.tit source=419927USASSIGNMENT#page8.tit source=419927USASSIGNMENT#page9.tit source=419927USASSIGNMENT#page10. source=419927USASSIGNMENT#page11. source=419927USASSIGNMENT#page11. source=419927USASSIGNMENT#page12. source=419927USASSIGNMENT#page12. source=419927USASSIGNMENT#page13. source=419927USASSIGNMENT#page14. source=419927USASSIGNMENT#page15. source=419927USASSIGNMENT#page16. source=419927USASSIGNMENT#page16. source=419927USASSIGNMENT#page17. source=419927USASSIGNMENT#page18. source=419927USASSIGNMENT#page19. source=419927USASSIGNMENT#page19. source=419927USASSIGNMENT#page19. source=419927USASSIGNMENT#page20. source=419927USASSIGNMENT#page21. source=419927USASSIGNMENT#page21.	

Page 1 of 2

	WHEREAS, I (WE) Frank Erhardt, Wilbrandstraße 24, 33604 Bielefeld, Germany				
INSERT NAMES AND RESIDENCE ADDRESS OF		Thomas Haas, Backenkamp 9, 48161 Münster, Germany			
THE INVENTORS:		Martin Roos, Brinkweg 5d, 45721 Haltern am See, Germany			
		Daniel Demicoli, Julienstr. 3, 45131 Essen, Germany			
		Markus Pötter, Gemenweg 45, 48149 Münster, Germany			
		Anja Schubert, Erbgrund 26, 46348 Raesfeld-Erle, Germany			
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		Thomas Tacke, Rannenbergring 20, 63755 Alzenau, Germany			
		Harald Häger, Am Dorn 11, 59348 Lüdinghausen, Germany			
INSERT TITLE		Andreas Pfennig, Maisweg 15, 8401 Kalsdorf bei Graz, Austria			
OF INVENTION:	Marie-Dominique Przybylski-Freund, Schönbrunner Straße 1, 52146 Würselen, Germany				
INSERT DATE IN- VENTORS SIGNED DECLARATION:	have invented certain	n new and useful improvemen, re	spectively,		
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		onik Degussa GmbH to as "ASSIGNEE") having a place of busines			
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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.

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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: X 20.06.2013		the Al
	(Signature of Inventor)	Frank Erhardt
Date:		
	(Signature of Inventor)	Thomas Haas
Date:		
	(Signature of Inventor)	Martin Roos
Date:		
	(Signature of Inventor)	Daniel Demicoli
Date:		
	(Signature of Inventor)	Markus Pötter
Date:		
	(Signature of Inventor)	Anja Schubert
Date:		
	(Signature of Inventor)	Jan Christoph Pfeffer
Date:	(Circulation of Inventor)	Themes T. I.
	(Signature of Inventor)	Thomas Tacke
Date:	(Cianatura of Inventor)	
	(Signature of Inventor)	Harald Häger
Date:	(Signature of Inventor)	Andreas Décusio
	(Signature of inventor)	Andreas Pfennig
Date:	(Cirrent and of law order)	M. •
	(Signature of Inventor)	Marie-Dominique Przybylski

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Date:			
	(Signature of Inventor)	Martin Roos	
Date:			
	(Signature of Inventor)	Daniel Demicoli	
Date:			<u></u>
	(Signature of Inventor)	Markus Pötter	
Date:	(Signature of Inventor)		
	(Signature or inventor)	Anja Schubert	
Date:	(Signature of Inventor)	Jan Christoph Pfeffer	
	(Signature of Inventor)	Jan Christoph Piener	
Date:	(Signature of Inventor)	Thomas Tacke	
Date:	(Signature of Inventor)	Harald Häger	
Date:	(Signature of Inventor)	Andreas Pfennig	
Data		-	
Date:	(Signature of Inventor)	Marie-Dominique Przybylski	

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Date:		
	(Signature of Inventor)	Frank Erhardt
Date:	<u></u>	
Date: X 20,6,13	(Signature of Inventor)	Thomas Haas
	(Signature of Inventor)	Martin Bos
Date:		/
	(Signature of Inventor)	Daniel Demicoli
Date:	(Signature of Inventor)	Markus Pötter
	(Signature of Inventor)	Markus Potter
Date:	(Signature of Inventor)	Ania Schubert
	(1311111111)	
Date:	(Signature of Inventor)	Jan Christoph Pfeffer
Date		
Date:	(Signature of Inventor)	Thomas Tacke
Date:		
	(Signature of Inventor)	Harald Häger
Date:		
	(Signature of Inventor)	Andreas Pfennig
Date:	(Circoshura of Inus -1)	Made Danishing Danishi ki ki
	(Signature of Inventor)	Marie-Dominique Przybylski

Page 1 of 2

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	(Signature of Inventor)	Thomas Haas	
Date:			
	(Signature of Inventor)	Martin Roos	
Date: X 29/05/13	XZal	Tel.	
	(Signature of Inventor)	Daniel Demicoli	
Date:	6		
	(Signature of Inventor)	Markus Pötter	
Date:			
	(Signature of Inventor)	Anja Schubert	
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Date:			
	(Signature of Inventor)	Marie-Dominique Przybylski	

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

ALEXANDRIA, VIRGINIA 22314

Page 1 of 2

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(Signature of Inventor)	Frank Erhardt	
(Signature of Inventor)	Thomas Haas	
(Signature of Inventor)	Martin Roos	
(Signature of Inventor)		
X / h, 1/2	Markus Dättar	
(Signature of inventor)	Markus Poller	
(Signature of Inventor)	Ania Schubort	
(orginatare of inventory	Alija Schubert	
(Signature of Inventor)	Jan Christonh Pfeffer	
(10) 11 11 11 11 11 11		
(Signature of Inventor)	Thomas Tacke	
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	(Signature of Inventor) (Signature of Inventor)	(Signature of Inventor) Thomas Haas (Signature of Inventor) Martin Roos (Signature of Inventor) Daniel Demicoli (Signature of Inventor) Daniel Demicoli (Signature of Inventor) Markus Pötter (Signature of Inventor) Anja Schubert (Signature of Inventor) Jan Christoph Pfeffer (Signature of Inventor) Thomas Tacke (Signature of Inventor) Harald Häger (Signature of Inventor) Andreas Pfennig

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Date:		
	(Signature of Inventor)	Markus Pötter
Date: <u>X 20 6 13</u>	X A	-Schub A-
	(Signature of Inventor)	Anja Schubert
Date:	(Signature of Inventor)	Jan Christoph Pfeffer
	(oignature of inventor)	
Date:	(Signature of Inventor)	Thomas Tacke
Date:		
Date:	(Signature of Inventor)	Harald Häger
Date:		
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		Daniel Demicoli, Julienstr. 3,	45131 Esse	en, Germany	
		Markus Pötter, Gemenweg 4	5, 48149 Mi	ünster, Germany	···
		Anja Schubert, Erbgrund 26,	46348 Rae	sfeld-Erle, Germany	
		Jan Christoph Pfeffer, Büdes	heimer Ring	g 8d, 63452 Hanau, Germany	
		Thomas Tacke, Rannenberg	ring 20, 637	55 Alzenau, Germany	
		Harald Häger, Am Dorn 11, 5	i9348 Lüdin	ghausen, Germany	
INSERT TITLE		Andreas Pfennig, Maisweg 1	5, 8401 Kal	sdorf bei Graz, Austria	
OF INVENTION:					
INSERT DATE IN- VENTORS SIGNED DECLARATION:	have invented cer	tain new and useful improve	men		, respectively,
	in:		LIQ	UID CATION EXCHANGER	····
INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE	for which an applic executed on	cation for Letters Patent was			
	(Application No.	PCT/EP2011/071491	, filed	01. Dezember 2011), and
		Evonik Degussa GmbH ed to as "ASSIGNEE") having	g a place	of busines	<u>-</u>
	Rellinghauser St	raße 1-11. 45128 Essen. Ge	rmany		

> 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.

> I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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)	Frank Erhardt	
Date [,]			
Date:	(Signature of Inventor)	Thomas Haas	
Data			
Date:	(Signature of Inventor)	Martin Roos	
Deter			
Date:	(Signature of Inventor)	Daniel Demicoli	
Data			
Date:	(Signature of Inventor)	Markus Pötter	
Data:			
Date:	(Signature of Inventor)	Anja Schubert	
Date: X 20.06.13	X	anthall	
	(Signature of Inventor)	Jan Christoph Pfeffer	
Date:		-	
	(Signature of Inventor)	Thomas Tacke	
Date:			
	(Signature of Inventor)	Harald Häger	
Date:			
	(Signature of Inventor)	Andreas Pfennig	
Date [.]			
Date:	(Signature of Inventor)	Marie-Dominique Przybylski	

Page 1 of 2

	WHEREAS, I (WE)	Frank Erhardt, Wilbrandstraf	Se 24, 33604	Bielefeld, Germany	
INSERT NAMES AND RESIDENCE ADDRESS OF		Thomas Haas, Backenkamp	9, 48161 Mü	inster, Germany	
THE INVENTORS:		Martin Roos, Brinkweg 5d, 4	5721 Haltern	am See, Germany	
		Daniel Demicoli, Julienstr. 3,	45131 Esse	n, Germany	
		Markus Pötter, Gemenweg 4	5, 48149 Mü	nster, Germany	
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		Thomas Tacke, Rannenberg	ring 20, 6375	55 Alzenau, Germany	
		Harald Häger, Am Dorn 11, s	59348 Lüding	hausen, Germany	
INSERT TITLE		Andreas Pfennig, Maisweg 1	5, 8401 Kals	dorf bei Graz, Austria	
OF INVENTION:		Marie-Dominique Przybylski	Freund, Sch	önbrunner Straße 1, 52146 Würselen,	Germany
INSERT DATE IN- VENTORS SIGNED	have invented earts				, respectively,
DECLARATION:	in:	in new and useful improve		JID CATION EXCHANGER	
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		vonik Degussa GmbH			
	(hereinafter referred at:	to as "ASSIGNEE") havin	g a place o	of busines	

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Date:		
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	(Signature of Inventor)	montas nads
Date:	(Signature of Inventor)	Martin Roos
Date:	(Signature of Inventor)	Daniel Demicoli
Date:		
	(Signature of Inventor)	Markus Pötter
Date:	(Cignotius of Investor)	Anto Ochubert
	(Signature of Inventor)	Anja Schubert
Date:	(Signature of Inventor)	Jan Christoph Pfeffer
Date: X 24.06,7013	X	
Date. $\underline{\gamma} = \partial x (1 \vee 0), [013]$	(Signature of Inventor)	Thomas Tacke
Date:		
	(Signature of Inventor)	Harald Häger
Date:	(Signature of Inventor)	Andrees Díonnia
	(Signature of Inventor)	Andreas Pfennig
Date:	(Signature of Inventor)	Marie-Dominique Przybylski

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

ALEXANDRIA, VIRGINIA 22314

Page 1 of 2

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	Harald Häger, Am Dorn 11, 59348 Lüdinghausen, Germany				
	Andreas Pfennig, Maisweg 15, 8401 Kalsdorf bei Graz, Austria				
INSERT TITLE OF INVENTION:		Marie-Dominique Przybylski-I	Freund, Sch	önbrunner Straße 1, 52146 Würsele	n, Germany
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	(Signature of Inventor) Markus Pötter	
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Date:		
	(Signature of Inventor) Jan Christoph Pfeffer	
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Date:	(Signature of Inventor) Thomas Tacke	
2 8. 06. 13	(orginatale of the india racke	
Date: X	X/m/h	
	(Signature of Inventor) Harald Häger	
Date:	(Signature of Inventor) Andreas Pfennig	
Date:		
	(Signature of Inventor) Marie-Dominique Przy	bylski

Page 1 of 2

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THE INVENTORS:		Martin Roos, Brinkweg 5d, 4	721 Haltern am See, Germany	
		Daniel Demicoli, Julienstr. 3,	45131 Essen, Germany	
		Markus Pötter, Gemenweg 4	5, 48149 Münster, Germany	
		Anja Schubert, Erbgrund 26,	46348 Raesfeld-Erle, Germany	
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		Harald Häger, Am Dorn 11,	9348 Lüdinghausen, Germany	
INSERT TITLE		Andreas Pfennig, Maisweg 1	5, 8401 Kalsdorf bei Graz, Austria	
OF INVENTION:		Marie-Dominique Przybylski	Freund, Schönbrunner Straße 1, 52146 Würse	len, Germany
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	(Signature of Inventor)	Thomas Haas
Date:		Madia Dava
	(Signature of Inventor)	Martin Roos
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Date:	(Signature of Inventor)	Harald Häger
Date: X 26.6.2013	X	aling
	(Signature of Inventor)	Andreas Pfennig
Date:		
	(Signature of Inventor)	Marie-Dominique Przybylski

Page 1 of 2

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INSERT NAMES AND RESIDENCE ADDRESS OF		Thomas Haas, Backenkamp 9,	, 48161 Mi	inster, Germany		
THE INVENTORS:		Martin Roos, Brinkweg 5d, 457	'21 Haltern	am See, Germany		
		Daniel Demicoli, Julienstr. 3, 4	5131 Esse	n, Germany		
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Date:	(Signature of Inventor)	Andreas Déansis
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Date: X 15. 10. 13	(Signature of Inventor)	Hum Dringer 1- M
	(Signature of Inventor)	Marie-Dominique Przybylski-Freund

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

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RECORDED: 10/24/2013