PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3771242

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOF PFLUMM	04/02/2013
AMIR HOSSAIN PARHAM	04/02/2013
CONSTANZE BROCKE	04/02/2013
ELVIRA MONTENEGRO	04/02/2013
FRANK VOGES	04/02/2013
HOLGER HEIL	04/02/2013
ARNE BUESING	04/02/2013

RECEIVING PARTY DATA

Name:	MERCK PATENT GMBH
Street Address:	FRANKFURTER STRASSE 250
City:	DARMSTADT
State/Country:	GERMANY
Postal Code:	64293

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15060087

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	074025-330-01-539325	
NAME OF SUBMITTER:	JOSEPH BARRERA	
SIGNATURE:	/JOSEPH BARRERA/	
DATE SIGNED:	03/07/2016	

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Total Attachments: 3

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PATENT REEL: 037910 FRAME: 0357

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this	day of	, , , , , , , , , , , , , , , , , , ,	, by
Christof Pflumm, Amir Hossain Parha	ım, Constanze	Brocke, Elvira N	Montenegro, Frank
Voges, Holger Heil, Arne Buesing (hereing	after referred (to as Assignors),	residing at
c/o Merck KGaA, Frankfurter Strasse	250, 64293 D	armstadt, Germa	ny ,
respectively;			
WHEREAS, Assignors have inve	nted certain n	ew and useful im	provements in
MATERIALS FOR ORGANIC ELEC	CTROLUMIN	ESCENT DEVI	CES_, set forth in
a Patent application for which an Internation	al Application	was filed on 16	August 2011,
PCT/EP2011/004106, designating the United			

WHEREAS, Merck Patent GmbH, a corporation organized under and pursuant to the laws of Germany having its principal place of business at Frankfurter Strasse 250, 64293 Darmstadt, GERMANY (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification 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:

NOVAK DRUCE CONNOLLY BOVE + QUIGG LLP

All practitioners at Customer Number 23416

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:	0.2. April 7013	Signature:	Christof Pflumm
Date:	02, April 2013	Signature:	Amir Hossain Parham
Date:	0 2. April 2013	Signature:	Constanze Brocke
Date:	0 2, April 2013	Signature:	Elvira Montenegro
Date:	NO Ancil 2017	Signature:	Frank Voges
Date:	0 2. April 2013	Signature:	Holger Heil
Date:	0 2. April 2013	Signature:	Arne Buesing