

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Christian JASPER</td> <td>07/16/2013</td> </tr> <tr> <td>Constanze BROCKE</td> <td>07/16/2013</td> </tr> <tr> <td>Detlef PAULUTH</td> <td>07/16/2013</td> </tr> <tr> <td>Volker REIFFENRATH</td> <td>07/16/2013</td> </tr> <tr> <td>Atsutaka MANABE</td> <td>07/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Christian JASPER	07/16/2013	Constanze BROCKE	07/16/2013	Detlef PAULUTH	07/16/2013	Volker REIFFENRATH	07/16/2013	Atsutaka MANABE	07/16/2013
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Atsutaka MANABE	07/16/2013												
RECEIVING PARTY DATA													
Name:	Merck Patent GmbH												
Street Address:	Frankfurter Strasse 250												
City:	Darmstadt												
State/Country:	GERMANY												
Postal Code:	64293												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14005839</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14005839								
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CORRESPONDENCE DATA													
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-243-6333 Email: mail@mwzb.com Correspondent Name: Millen, White, Zelano & Branigan (Mia) Address Line 1: 2200 Clarendon Blvd. Address Line 2: Suite 1400 Address Line 4: Arlington, VIRGINIA 22201</p>													
ATTORNEY DOCKET NUMBER:	MERCK-4126												
NAME OF SUBMITTER:	Michaiah Copp												

OP \$40.00 14005839

Signature:	/Michaiah Copp/
Date:	09/18/2013
Total Attachments: 1 source=4126_EXECUTED_Assignment#page1.tif	

PM/040

ASSIGNMENT

ATTY. DOCKET NO.:

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

Compounds having a c-c-triple bond

and for which one or more of the following apply:

- U.S. Provisional Application Serial No. _____ was filed in the United States Patent and Trademark Office on _____
- A U.S. Non-Provisional
 - application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date
 - Application Serial No. _____ for Letters Patent was filed in the U.S. Patent and Trademark Office on _____
 - as International Application No. PCT/EP2012/000828 was filed on 27 February 2012, designating the United States.

AND WHEREAS

MERCK PATENT GESELLSCHAFT
MIT BESCHRÄNKTER HAFTUNG
Darmstadt, Germany

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention. SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
	Christian Jasper	<i>Christian Jasper</i>	16. Juli 2013
202	FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	Constanze Broeke	<i>Constanze Broeke</i>	16. Juli 2013
203	FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	Detlef Pauluth	<i>Detlef Pauluth</i>	16. Juli 2013
204	FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	Volker Reiffenrath	<i>Volker Reiffenrath</i>	16. Juli 2013
205	FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
	Atsutaka Manabe	<i>Atsutaka Manabe</i>	16. Juli 2013
206	FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
207	FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
208	FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
209	FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE

PATENT

RECORDED: 09/18/2013

REEL: 031228 FRAME: 0185