

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Michael Breuer</td> <td>04/08/2009</td> </tr> <tr> <td>Andreas Pletsch</td> <td>10/13/2009</td> </tr> <tr> <td>Bernhard Hauer</td> <td>10/05/2009</td> </tr> <tr> <td>Wolfgang Siegel</td> <td>10/13/2009</td> </tr> </tbody> </table>		Name	Execution Date	Michael Breuer	04/08/2009	Andreas Pletsch	10/13/2009	Bernhard Hauer	10/05/2009	Wolfgang Siegel	10/13/2009
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>BASF SE</td> </tr> <tr> <td>Street Address:</td> <td>Carl-Bosch-Str. 38</td> </tr> <tr> <td>City:</td> <td>Ludwigshafen</td> </tr> <tr> <td>State/Country:</td> <td>FEDERAL REPUBLIC GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>67056</td> </tr> </table>		Name:	BASF SE	Street Address:	Carl-Bosch-Str. 38	City:	Ludwigshafen	State/Country:	FEDERAL REPUBLIC GERMANY	Postal Code:	67056
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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>13063630</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13063630						
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CORRESPONDENCE DATA											
<p>Fax Number: 3026585614 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 302-658-9141 Email: sara.maloney@novakdruce.com Correspondent Name: Novak Druce Connolly Bove + Quigg LLP Address Line 1: 1007 North Orange Street Address Line 2: P.O. Box 2207 Address Line 4: Wilmington, DELAWARE 19899</p>											
ATTORNEY DOCKET NUMBER:	13111-00168-US										
NAME OF SUBMITTER:	Daniel A. Rube										
Signature:	/Daniel A. Rube/										

PATENT

Date:

08/28/2013

Total Attachments: 2

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Assignment of Application

WHEREAS; I (WE)

Michael Breuer, Niebergallweg 30, 64285 Darmstadt, Germany
Citizen of Germany

Andreas Pletsch, Goethestrasse 12, 67117 Limburgerhof, Germany
Citizen of Germany

Bernhard Hauer, Merowinger Straße 1, 67136 Fußgönheim, Germany
Citizen of Germany

Wolfgang Siegel, Goethestr.34b, 67117 Limburgerhof, Germany
Citizen of Germany

respectively, have invented certain new and useful improvements in

Method for producing L-phenylephrine using an alcohol hydrogenase of
Aromatoleum Aromaticum EBN1 (Azoarcus SP. EBN1)

for which an application for Letters Patent was executed on

(Application No. PCT/EP2009/61974 , filed September 15, 2009), and

WHEREAS, BASF SE (hereinafter referred to as "ASSIGNEE"), having a place of business at 67056 Ludwigshafen, 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 One Dollar (\$1.00) per inventor, 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.

FURTHER, I (WE) agree that I (WE) will communicate to said ASSIGNEE, or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

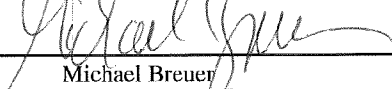
The undersigned hereby grant(s) the firm of **CONNOLLY BOVE LODGE & HUTZ LLP**, The Nemours Building, 1007 North Orange Street, Wilmington, DE 19899, (telephone 302 658 9141; FAX 302 658 5614) the power to insert on this assignment any further identification, including the application number and filing 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.


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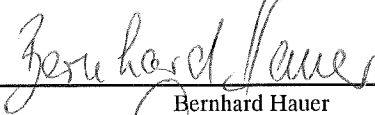
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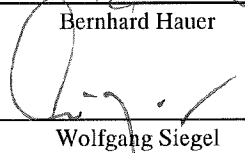
Page 2 of 2

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Date: 8/1/09 Signature of Inventor: 
Michael Breuer

Date: 13.10.09 Signature of Inventor: 
Andreas Pletsch

Date: 5.10.09 Signature of Inventor: 
Bernhard Hauer

Date: 13.10.2009 Signature of Inventor: 
Wolfgang Siegel

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