

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Hermann Bach</td><td>01/12/2009</td></tr> <tr><td>Lothar Brehm</td><td>12/15/2008</td></tr> <tr><td>Jurgen Bohle</td><td>12/11/2008</td></tr> <tr><td>Gunter Quass</td><td>12/15/2008</td></tr> <tr><td>Gunther Heinz</td><td>12/15/2008</td></tr> <tr><td>Katja Bartels</td><td>12/15/2008</td></tr> <tr><td>Heinrich Dorr</td><td>01/12/2009</td></tr> <tr><td>Harald Kompel</td><td>01/14/2009</td></tr> </tbody> </table>		Name	Execution Date	Hermann Bach	01/12/2009	Lothar Brehm	12/15/2008	Jurgen Bohle	12/11/2008	Gunter Quass	12/15/2008	Gunther Heinz	12/15/2008	Katja Bartels	12/15/2008	Heinrich Dorr	01/12/2009	Harald Kompel	01/14/2009
Name	Execution Date																		
Hermann Bach	01/12/2009																		
Lothar Brehm	12/15/2008																		
Jurgen Bohle	12/11/2008																		
Gunter Quass	12/15/2008																		
Gunther Heinz	12/15/2008																		
Katja Bartels	12/15/2008																		
Heinrich Dorr	01/12/2009																		
Harald Kompel	01/14/2009																		
<b>RECEIVING PARTY DATA</b>																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td><b>Name:</b></td><td>Lurgi GmbH</td></tr> <tr><td><b>Street Address:</b></td><td>Lurigiallee 5</td></tr> <tr><td><b>City:</b></td><td>Frankfurt Am Main</td></tr> <tr><td><b>State/Country:</b></td><td>GERMANY</td></tr> <tr><td><b>Postal Code:</b></td><td>60295</td></tr> </table>		<b>Name:</b>	Lurgi GmbH	<b>Street Address:</b>	Lurigiallee 5	<b>City:</b>	Frankfurt Am Main	<b>State/Country:</b>	GERMANY	<b>Postal Code:</b>	60295								
<b>Name:</b>	Lurgi GmbH																		
<b>Street Address:</b>	Lurigiallee 5																		
<b>City:</b>	Frankfurt Am Main																		
<b>State/Country:</b>	GERMANY																		
<b>Postal Code:</b>	60295																		
<b>PROPERTY NUMBERS Total: 1</b>																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>12303227</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	12303227														
Property Type	Number																		
<b>Application Number:</b>	12303227																		
<b>CORRESPONDENCE DATA</b>																			
<p><b>Fax Number:</b> (212)808-0844  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p><b>Phone:</b> 2128080700</p> <p><b>Email:</b> eexarhoulias@nmmlaw.com</p> <p><b>Correspondent Name:</b> Mark D. Marin</p> <p><b>Address Line 1:</b> Norris, McLaughlin &amp; Marcus, P.A.</p> <p><b>Address Line 2:</b> 875 Third Avenue, 18th Floor</p> <p><b>Address Line 4:</b> New York, NEW YORK 10022</p>																			

CH \$40.00 12303227

**500902827**

**PATENT**  
**REEL: 022914 FRAME: 0204**

ATTORNEY DOCKET NUMBER:	100726-74
NAME OF SUBMITTER:	Mark D. Marin
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

## ASSIGNMENT

In consideration of One Dollar (\$1.00) in hand paid and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned [hereinafter (collectively) named "Assignor"] hereby assigns and transfers to

**Lurgi GmbH  
Lurgiallee 5  
60295 Frankfurt Am Main  
Germany**

, a **German** corporation (hereinafter named "Assignee"), its successors, legal representatives and assigns, the entire right, title and interest in and to Assignor's application for Letters Patent of the United States, Application Serial No. 12/303, 227 filed on December 2, 2008, entitled

### **REACTOR FOR PRODUCING C<sub>2</sub>- TO C<sub>8</sub>- OLEFINS FROM A MATERIAL FLOW CONTAINING OXYGENATE, WATER VAPOR AND ONE OR MORE HYDROCARBONS**

and to Assignor's entire right, title and interest in any and all inventions, whether joint or sole, disclosed in said application for Letters Patent, and in any and all divisional or continuation or renewal applications that may be filed for United States Letters Patent for any and all of said inventions, and in and to any and all patents that may be granted on the foregoing applications and any reissue or extension thereof.

The Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all of said Letters Patent to said Assignee.


For said consideration, the Assignor hereby agrees upon the request of said Assignee, its successors, legal representatives or assigns, to execute any and all United States divisional, continuation and renewal applications for said invention, and any and all necessary oaths, supplemental oaths or declarations or supplemental declarations or affidavits relating thereto, and any application for the reissue or extension of any United States Letters Patent that may be granted upon said application that said Assignee, its successors, legal representatives or assigns may deem necessary or expedient.


For the said consideration the Assignor further agrees upon the request of said Assignee, its successors, legal representatives or assigns, in the event of said application or any division thereof, or Letters Patent issued thereon or any reissue or application for the reissue thereof, becoming involved in interference, to cooperate to the best of the ability of the Assignor with said Assignee, its successors, legal representatives or assigns in the matters of preparing and executing the Preliminary Statement and giving and producing evidence in support thereof, the Assignor hereby agreeing to perform upon such request, any and all affirmative acts necessary to obtain said Letters Patent and vest all rights therein hereby conveyed in said Assignee, its successors, legal representatives or assigns as fully


And entirely as the same would have been held and enjoyed by the assignor if this assignment and sale had not been made.

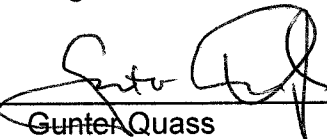
Assignor hereby binds himself, his heirs, legal representatives, administrators, and assigns properly to execute without further consideration, any and all applications, petitions, oaths, assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment and transfer hereby made, or intended or agreed to be made.


And for said considerations, the Assignor hereby assigns to said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in said invention or improvement for any and all foreign countries and agrees upon the request of said Assignee, its successors, legal representatives or assigns to execute any and all documents that shall be required of the Assignor to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee, its successors, legal representatives or assigns.


Signature:  Date: 12.01.09  
Hermann Bach

Signature:  Date: 15.12.2008  
Lothar Brehm

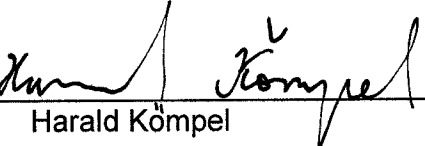
Signature:  Date: 11.12.2008  
Jürgen Bohle

Signature:  Date: 15.12.2008  
Gunter Quass

Signature:  Date: 15.12.2008  
Gunther Heinz

Signature:  Date: 15.12.2008  
Katja Bartels

Signature:  Date: 12.01.09  
Heinrich Dörr

Signature:  Date: 14.01.2009  
Harald Kömpel