

## 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>Willigert Raatschen</td> <td>04/17/2013</td> </tr> <tr> <td>Carsten Matthias</td> <td>04/12/2013</td> </tr> <tr> <td>Karlheinz Brodt</td> <td>07/24/2013</td> </tr> <tr> <td>Joachim Lucas</td> <td>04/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Willigert Raatschen	04/17/2013	Carsten Matthias	04/12/2013	Karlheinz Brodt	07/24/2013	Joachim Lucas	04/16/2013
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Willigert Raatschen	04/17/2013										
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Karlheinz Brodt	07/24/2013										
Joachim Lucas	04/16/2013										
RECEIVING PARTY DATA											
Name:	Astrium GmbH										
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City:	Taufkirchen										
State/Country:	GERMANY										
Postal Code:	82024										
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>13876785</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13876785						
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Application Number:	13876785										
CORRESPONDENCE DATA											
Fax Number:	7037079112										
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Signature:	/David G. Posz/										

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PATENT

Date:

08/05/2013

Total Attachments: 2

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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s) to assign, and hereby, assign(s), sell(s) and transfer(s) to

**Astrium GmbH**  
**Robert-Koch-Str. 1, 82024 Taufkirchen , GERMANY**

as Assignee, and its successors, assigns or other legal representatives, the entire right, title and interest, in the United States of America, and its territories, dependencies and possessions, to certain inventions known as

**METHOD FOR SEPARATING OFF CARBON DIOXIDE IN BIOGAS PLANTS**

described in an application for Letters Patent of the United States executed

on even date herewith

as U.S. Application Serial No. 13/876,785 filed on March 28, 2013

as well as any and all continuations, divisions, and reissues of said application and all Letters Patents that may be granted therefor. The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent or Letters Patents to said Assignee.

The undersigned agree(s), when requested, to sign all papers, take all rightful oaths, and perform all acts which may be necessary for securing, maintaining and enforcing patents for said inventions and for vesting title thereto in said Assignee.


The undersigned authorize(s) and empower(s) said Assignee to invoke and claim the benefit of the right of priority provided under any and all international conventions and treaties in respect of said inventions, as may be necessary in connection with said application.

The undersigned also authorize(s) Posz Law Group, PLC to insert hereon any further identification that may be necessary or desirable for recordation of this document.

  
 Inventor 1: **Willigert RAATSCHEN**      17.04.13  
 Date


  
 Witness

  
 Inventor 2: **Carsten MATTHIAS**      12.04.13  
 Date

  
 Witness

Inventor 3: **Karlheinz BRODT**      \_\_\_\_\_  
 Date

Witness

  
 Inventor 4: **Joachim LUCAS**      19.04.13  
 Date

  
 Witness

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Inventor 1: \_\_\_\_\_ Date \_\_\_\_\_ Witness \_\_\_\_\_

Inventor 2: \_\_\_\_\_ Date \_\_\_\_\_ Witness \_\_\_\_\_

*Manuela Brodt*  
Inventor 3: \_\_\_\_\_ Date 24.7.2013 Witness \_\_\_\_\_

**Title: Legal Representative for  
Karlheinz BRODT(deceased)**

Inventor 4: \_\_\_\_\_ Date \_\_\_\_\_ Witness \_\_\_\_\_

Additional inventor(s) is (are) listed on the attached sheet which is incorporated herein by reference.