

## 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>Dirk Diehl</td> <td>07/12/2012</td> </tr> <tr> <td>Norbert Huber</td> <td>07/05/2012</td> </tr> <tr> <td>Andreas Koch</td> <td>07/11/2012</td> </tr> <tr> <td>Michael Koolman</td> <td>07/06/2012</td> </tr> <tr> <td>Muris Torlak</td> <td>09/09/2012</td> </tr> <tr> <td>Bernd Wacker</td> <td>07/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dirk Diehl	07/12/2012	Norbert Huber	07/05/2012	Andreas Koch	07/11/2012	Michael Koolman	07/06/2012	Muris Torlak	09/09/2012	Bernd Wacker	07/06/2012
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<table border="1"> <tr> <td>Name:</td> <td>Siemens Aktiengesellschaft</td> </tr> <tr> <td>Street Address:</td> <td>Wittelsbacherplatz 2</td> </tr> <tr> <td>City:</td> <td>Muenchen</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>80333</td> </tr> </table>		Name:	Siemens Aktiengesellschaft	Street Address:	Wittelsbacherplatz 2	City:	Muenchen	State/Country:	GERMANY	Postal Code:	80333				
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CORRESPONDENCE DATA															
Fax Number:	4077366440														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	2010P03115WOUS														

CH \$40.00 13578674

NAME OF SUBMITTER:

RANA BASU

**Total Attachments: 20**

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## ASSIGNMENT

For good and valuable consideration, I (We),

**Dirk Diehl**, residing at Berliner Platz 3, Erlangen, 91052, citizen of DE

**Norbert Huber**, residing at Sachsenstraße 10, Erlangen, 91052, citizen of DE

**Andreas Koch**, residing at Langfeldstraße 6a, Neunkirchen am Brand, 91077, citizen of DE

**Michael Koolman**, residing at Birkenallee 134, Bubenreuth, 91088, citizen of DE

**Muris Torlak**, residing at Neuselsbrunn 28, Nürnberg, 90471, citizen of BA

**Bernd Wacker**, residing at Haundorferstr. 2 A, Herzogenaurach, 91074, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Aktiengesellschaft**, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Wittelsbacherplatz 2, München, 80333, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of GERMANY or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

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Filing Date(s): 31.01.2011

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Internal Case Number(s): 2010P03115WOUS

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Schleicher  
Witness  
printed name



Dirk Diehl  
Dirk Diehl

July 12, 2012  
Date

*N. Huber*

Norbert Huber

*2012-07-05*

Date

*Anke Huber*

Witness  
printed name

Andreas Koch

Witness  
printed name

Date

Michael Koolman

Witness  
printed name

Date

Muris Torlak

Witness  
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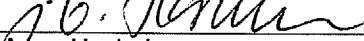
Date


Bernd Wacker

Witness  
printed name

Date

Companies Representative(s)  
Siemens Aktiengesellschaft

Signature   
Name: Anna Hashuber  
Date September 24, 2012

Signature   
Name: Katharina Klinger  
Date September 24, 2012

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(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

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\_\_\_\_\_  
Dirk Diehl

\_\_\_\_\_  
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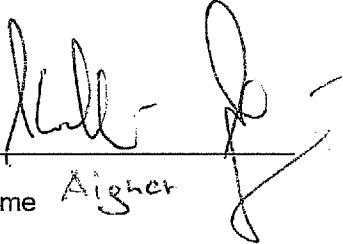
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\_\_\_\_\_  
Norbert Huber

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Witness  
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Date

11.7.12   
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\_\_\_\_\_  
Andreas Koch

11.07.2012  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael Koolman

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Companies Representative(s)  
Siemens Aktiengesellschaft

Signature *A. Hashuber*  
Name: Anna Hashuber  
Date September 24, 2012

Signature *K. Klinger*  
Name: Katharina Klinger  
Date September 24, 2012

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Dirk Diehl

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Norbert Huber

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\_\_\_\_\_  
*Claudia Koolman*

\_\_\_\_\_  
*Michael Koolman*  
Michael Koolman

\_\_\_\_\_  
CLAUDIA KOOLMAN  
Witness  
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\_\_\_\_\_  
6.7.12  
Date

\_\_\_\_\_  
Muris Torlak

\_\_\_\_\_  
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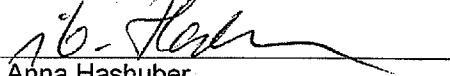
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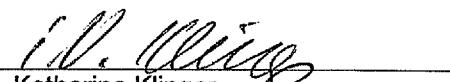
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Signature   
Name: Anna Hashuber  
Date September 24, 2012

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Name: Katharina Klinger  
Date September 24, 2012

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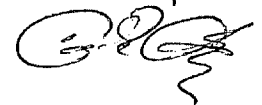
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**Muris Torlak**, residing at Neuselsbrunn 28, Nürnberg, 90474, citizen of BA  
*GRADA BAKIJA 13, 71000 SARAJEVO, BOSNIA-HERZEGOVINA*

09.09.2012, MT

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\_\_\_\_\_  
Michael Koolman

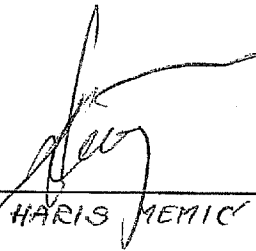
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Muris Torlak

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HARIS MEMIĆ



09.09.2012

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Bernd Wacker

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Date

Companies Representative(s)

Siemens Aktiengesellschaft

Signature *A. Hashuber*

Name: Anna Hashuber

Date September 24, 2012

Signature *K. Klinger*

Name: Katharina Klinger

Date September 24, 2012

**ASSIGNMENT**

For good and valuable consideration, I (We),

**Dirk Diehl**, residing at Berliner Platz 3, Erlangen, 91052, citizen of DE

**Norbert Huber**, residing at Sachsenstraße 10, Erlangen, 91052, citizen of DE

**Andreas Koch**, residing at Langfeldstraße 6a, Neunkirchen am Brand, 91077, citizen of DE

**Michael Koolman**, residing at Birkenallee 134, Bubenreuth, 91088, citizen of DE

**Muris Torlak**, residing at Neuselsbrunn 28, Nürnberg, 90471, citizen of BA

**Bernd Wacker**, residing at Haundorferstr. 2 A, Herzogenaurach, 91074, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Aktiengesellschaft**, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Wittelsbacherplatz 2, München, 80333, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of GERMANY or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: **DEVICE AND METHOD FOR OBTAINING, ESPECIALLY IN SITU, A CARBONACEOUS SUBSTANCE FROM AN UNDERGROUND DEPOSIT**

Filing Date(s): 31.01.2011

Filing Number(s): PCT/EP2011/051279

Internal Case Number(s): 2010P03115WOUS

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

\_\_\_\_\_  
Dirk Diehl

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Witness  
printed name

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Date

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Norbert Huber

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Andreas Koch

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Michael Koolman

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Muris Torlak

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*Bernd Wacker*  
Bernd Wacker

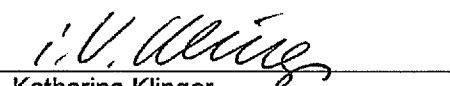
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*06.07.2012*  
Date

*W. Kriegelstein*  
\_\_\_\_\_  
Wolfgang Kriegelstein

Companies Representative(s)  
Siemens Aktiengesellschaft

Signature   
Name: Anna Hashuber  
Date September 24, 2012

Signature   
Name: Katharina Klinger  
Date September 24, 2012