

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>P. S. Dash</td> <td>08/02/2010</td> </tr> <tr> <td>Pradip Kumar Banerjee</td> <td>08/06/2010</td> </tr> <tr> <td>Debashish Bhattacharjee</td> <td>08/02/2010</td> </tr> <tr> <td>Tridibesh Mukherjee</td> <td>08/12/2010</td> </tr> <tr> <td>S. Ganguly</td> <td>08/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	P. S. Dash	08/02/2010	Pradip Kumar Banerjee	08/06/2010	Debashish Bhattacharjee	08/02/2010	Tridibesh Mukherjee	08/12/2010	S. Ganguly	08/12/2010
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Tata Steel Limited</td> </tr> <tr> <td>Street Address:</td> <td>Research and Development and Scientific Services Division</td> </tr> <tr> <td>City:</td> <td>Jamshedpur</td> </tr> <tr> <td>State/Country:</td> <td>INDIA</td> </tr> <tr> <td>Postal Code:</td> <td>831 001</td> </tr> </table>		Name:	Tata Steel Limited	Street Address:	Research and Development and Scientific Services Division	City:	Jamshedpur	State/Country:	INDIA	Postal Code:	831 001		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (412)945-5933</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-471-8815</p> <p>Email: assignments@webblaw.com</p> <p>Correspondent Name: THE WEBB LAW FIRM, P.C.</p> <p>Address Line 1: 700 KOPPERS BUILDING</p> <p>Address Line 2: 436 SEVENTH AVENUE</p> <p>Address Line 4: PITTSBURGH, PENNSYLVANIA 15219</p>													
ATTORNEY DOCKET NUMBER:	4544-100948												
NAME OF SUBMITTER:	William H. Logsdon Reg. No. 22,132												

OP \$40.00 12682716

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PATENT
REEL: 025053 FRAME: 0963

Total Attachments: 4

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

P.S. Dash S. Ganguly
Pradip Kumar Banerjee
Debashish Bhattacharjee
Tridibesh Mukherjee

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: TATA STEEL LIMITED

Internal Address: _____

Street Address: Research and Development and

Scientific Services Division

City: Jamshedpur

State: _____

Country: INDIA Zip: 831 001

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) August 2; August 6; August 12, 2010

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)
12/682,716

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: William H. Logsdon

Internal Address: The Webb Law Firm

Street Address: 436 Seventh Avenue
700 Koppers Building

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 4775
Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:

William H. Logsdon
Signature

September 28, 2010

Date

William H. Logsdon, Registration No. 22,132

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Doc. No.

**PATENT
REEL: 025053 FRAME: 0965**

INTERNATIONAL
Application No. 12/682,716
Attorney Docket No. 4544-100948

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

**IMPROVED BENEFICIATION PROCESS TO PRODUCE
LOW ASH CLEAN COAL FROM HIGH ASH COALS**

(Invention Title)

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☒ for which an application for a United States Patent was filed on 04/12/2010 (mm/dd/yyyy) and bears Application Number 12/682,716 (hereinafter "said application").

AND/OR

☒ for which an international patent application was filed under the Patent Cooperation Treaty on 06/05/2009 (mm/dd/yyyy), bearing Application No. PCT/IN2009/000328 (hereinafter "said application").

AND, WHEREAS, **TATA STEEL LIMITED**, a corporation of India, having a place of business at Research and Development and Scientific Services Division, Jamshedpur 831 001, India, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits

INTERNATIONAL
Application No. 12/682,716
Attorney Docket No. 4544-100948

from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

RESIDENCE:

P. S. DASH

Jamshedpur, India

EXECUTED this 2nd day of August, 2010



SIGNATURE

WITNESS:

Wyt C.B.K. Bhuyan

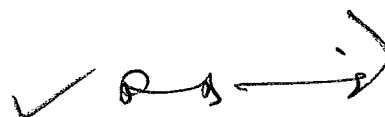
2. FULL NAME OF ASSIGNOR:

RESIDENCE:

P. K. BANERJEE


Jamshedpur, India

EXECUTED this 4th day of August, 2010



SIGNATURE

WITNESS:

 C.P.S. DASH

☒ Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL
Application No. 12/682,716
Attorney Docket No. 4544-100948

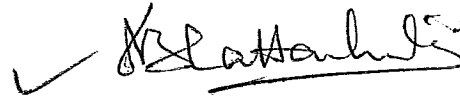
3. FULL NAME OF ASSIGNOR:

RESIDENCE:

D. BHATTACHARJEE

Jamshedpur, India

EXECUTED this 2nd day of August, 2010



SIGNATURE

WITNESS:

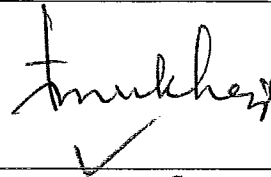
4. FULL NAME OF ASSIGNOR:

RESIDENCE:

T. MUKHERJEE

Jamshedpur, India

EXECUTED this 12th day of August, 2010



SIGNATURE

WITNESS:

5. FULL NAME OF ASSIGNOR:

RESIDENCE:

S. GANGULY

Jamshedpur, India

EXECUTED this 12th day of August, 2010



SIGNATURE

WITNESS:
