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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3013130

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|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SUBMISSION TYPE:</b>      | CORRECTIVE ASSIGNMENT                                                                                                                                                          |
| <b>NATURE OF CONVEYANCE:</b> | Corrective Assignment to correct the ASSIGNEE NAME previously recorded on Reel 032777 Frame 0967. Assignor(s) hereby confirms the OIL AND NATURAL GAS CORPORATION LTD. (ONGC). |
| <b>RESUBMIT DOCUMENT ID:</b> | 502950747                                                                                                                                                                      |

**CONVEYING PARTY DATA**

| Name                      | Execution Date |
|---------------------------|----------------|
| YADAV GANAPATI DADASAHEB  | 04/10/2014     |
| PARHAD PRAKASH SANTOSHRAO | 04/10/2014     |
| NIRUKHE ASHWINI BHAGAVAN  | 04/10/2014     |
| PARVATALU DAMARAJU        | 04/10/2014     |
| BHARDWAJ ANIL             | 04/10/2014     |
| PRABHU BANTWAL NARAYANA   | 04/09/2014     |
| THOMAS NUZHATH JOEMAN     | 04/09/2014     |
| KALE DILIP MADHUSUDAN     | 04/09/2014     |

**RECEIVING PARTY DATA**

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>Name:</b>             | INSTITUTE OF CHEMICAL TECHNOLOGY               |
| <b>Street Address:</b>   | NATHALAL PAREKH MARG. MATUNGA                  |
| <b>City:</b>             | EAST MUMBAI                                    |
| <b>State/Country:</b>    | INDIA                                          |
| <b>Name:</b>             | ONGC ENERGY CENTRE TRUST                       |
| <b>Street Address:</b>   | OIL AND NATURAL GAS CORPORATION LIMITED (ONGC) |
| <b>Internal Address:</b> | JEEVAN BHARTI, TOWER-II 124, INDIRA CHOWK      |
| <b>City:</b>             | NEW DELHI                                      |
| <b>State/Country:</b>    | INDIA                                          |

**PROPERTY NUMBERS Total: 1**

| Property Type              | Number   |
|----------------------------|----------|
| <b>Application Number:</b> | 14131312 |

**CORRESPONDENCE DATA**

**Fax Number:** (877)769-7945

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 617 542-5070

**Email:** apsi@fr.com

**Correspondent Name:** FISH & RICHARDSON P.C.

**PATENT**

**Address Line 1:** P.O. BOX 1022  
**Address Line 4:** MINNEAPOLIS, MINNESOTA 55440-1022

**ATTORNEY DOCKET NUMBER:** 39322-0003US1

**NAME OF SUBMITTER:** NANCY MCCOY

**SIGNATURE:** /NancyMcCoy/

**DATE SIGNED:** 09/08/2014

**Total Attachments: 9**

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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1

Stylesheet Version v1.2

|                              |                |
|------------------------------|----------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT |
| <b>NATURE OF CONVEYANCE:</b> | ASSIGNMENT     |

**CONVEYING PARTY DATA**

| Name                      | Execution Date |
|---------------------------|----------------|
| YADAV GANAPATI DADASAHEB  | 04/10/2014     |
| PARHAD PRAKASH SANTOSHRAO | 04/10/2014     |
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| BHARDWAJ ANIL             | 04/10/2014     |
| PRABHU BANTWAL NARAYANA   | 04/09/2014     |
| THOMAS NUZHATH JOEMAN     | 04/09/2014     |
| KALE DILIP MADHUSUDAN     | 04/09/2014     |

**RECEIVING PARTY DATA**

|                        |                                  |
|------------------------|----------------------------------|
| <b>Name:</b>           | INSTITUTE OF CHEMICAL TECHNOLOGY |
| <b>Street Address:</b> | NATHALAL PAREKH MARG. MATUNGA    |
| <b>City:</b>           | EAST MUMBAI                      |
| <b>State/Country:</b>  | INDIA                            |

|                        |                                             |
|------------------------|---------------------------------------------|
| <b>Name:</b>           | OIL AND NATURAL GAS CORPORATION LTD. (ONGC) |
| <b>Street Address:</b> | JEEVAN BHARTI, TOWER-II 124 INDIRA CHOWK    |
| <b>City:</b>           | NEW DELHI                                   |
| <b>State/Country:</b>  | INDIA                                       |

**PROPERTY NUMBERS Total: 1**

| Property Type              | Number   |
|----------------------------|----------|
| <b>Application Number:</b> | 14131312 |

**CORRESPONDENCE DATA**

**Fax Number:** (877)769-7945  
**Phone:** 617 542-5070  
**Email:** apsi@fr.com  
*Correspondence will be sent via US Mail when the email attempt is unsuccessful.*  
**Correspondent Name:** JANICE KUGLER DEYOUNG  
**Address Line 1:** FISH & RICHARDSON P.C.  
**Address Line 2:** P.O. BOX 1022  
**Address Line 4:** MINNEAPOLIS, MINNESOTA 55440-1022

|                                |               |
|--------------------------------|---------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 39322-0003US1 |
| <b>NAME OF SUBMITTER:</b>      | NANCY MCCOY   |
| <b>Signature:</b>              | /NancyMcCoy/  |

**PATENT**  
**REEL: 033694 FRAME: 0119**

**Date:**

04/29/2014

**Total Attachments: 6**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT2833765  
**Receipt Date:** 04/29/2014

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, Yadav Ganapati Dadasaheb, of Mumbai, India; Purhad Prakash Santosbrao, of Mumbai, India; Nirukhe Ashwini Bhagavan, of Mumbai, India; Parvathi Damaraju, of New Delhi, India; Bhardwaj Anil, of New Delhi, India; Prabhu Bantwal Narayana, of New Delhi, India; Thomas Nuzhath Joeman, of New Delhi, India; and Kale Dhip Madhusudan, of New Delhi, India, hereby assign to INSTITUTE OF CHEMICAL TECHNOLOGY, a company of India, having a place of business at Nathalal Parekh Marg, Matunga, East Mumbai, India; and ~~Oil and Natural Gas Corporation~~ <sup>ONGC ENERGY CENTRE TRUST</sup> LTD. (ONGC), a company in India, having a place of business at Jeevan Bharti, Tower-II 124, Indira Chowk, New Delhi, India, and its successors and assigns (collectively hereinafter called "the Assignee"), as joint owners of the entire right, title, and interest throughout the world in the inventions and improvements which are the subject of and described and/or claimed in a utility application for United States Patent, entitled "EFFECT OF OPERATING PARAMETERS ON THE PERFORMANCE OF ELECTROCHEMICAL CELL IN COPPER-CHLORINE CYCLE," filed on January 7, 2014, and assigned U.S. Serial Number 14/131,312; which is a national stage application of PCT/IN2012/000485, filed on July 9, 2012, this assignment including said application, any and all United States and foreign patents, utility patents and models, continuations, continuations-in-part, divisionals, reexaminations, reissues, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and this assignment also including, without limitation, any claims (known or unknown, suspected or unsuspected) of any nature that we have or may have against any party for infringement of any of the patents and patent applications listed herein, and the right to sue for past infringement and to recover and retain damages and profits in respect thereof; and

we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations, and like rights of exclusion and for inventors' certificates for said inventions and improvements; and

we hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to said inventions and improvements, and we agree for ourselves and our respective heirs, legal representatives, and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in

ONGC ENERGY CENTRE TRUST  
Oil and Natural Gas Corporation Limited (ONGC)  
B.P.S.  
A.B.N.  
D  
A.C.D.M.  
K. Prabhakar  
M.C.

obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in foreign countries; and

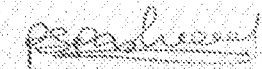
we hereby covenant that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

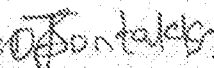
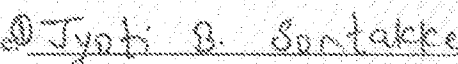
Date: 10.4.14   
YADAV GANAPATI DADASAHEB

Witnessed by:

Name:  Pooja S. R. Shukla Date: 10/04/2014

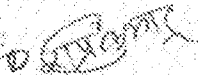
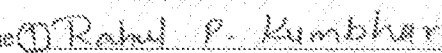
Name:  P.R. Kulkarni Date: 10/04/2014

Date: 10/4/2014   
PARHAD PRAKASH SANTOSHRAO

Witnessed by:   
Name:  Jyoti B. Sontakke Date: 10/04/2014

Name:  Godfre Fernandez Date: 10/04/2014

Date: 10/04/2014   
NIRUKHE ASHWINI BHAGAVAN

Witnessed by:   
Name:  Rahul P. Kumbhar Date: 10/04/2014

Name:  Godfre Fernandez Date: 10/04/2014

Date: 10/04/2014

[Signature]  
PARVATALI DAMARAJU

Witnessed by:

Name: [Signature] (Satinath Banerjee) Date: 10/04/2014

Name: [Signature] (Kamini Sivakumar) Date: 10/04/2014

Date: 10/04/2014

[Signature]  
BHARDWAJ ANIL

Witnessed by:

Name: [Signature] (Satinath Banerjee) Date: 10/04/2014

Name: [Signature] (Kamini Sivakumar) Date: 10/04/2014

Date: \_\_\_\_\_

PRABHU BANTWAL NARAYANA

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: \_\_\_\_\_  
PARVATALU DAMARAJU

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: \_\_\_\_\_  
BHARDWAJ ANIL

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: 09/04/2014  
PRABHU BANTWAL NARAYANA

Witnessed by:

Name: Ganesh (Ganesh Banerjee) Date: 09/04/2014

Name: Ranini Sivakumar Date: 09/04/2014



Date: 09/04/2014

Thomas Nuzhath Joeman  
THOMAS NUZHATH JOEMAN

Witnessed by:

Name: Janice (Janet) Banerjee

Date: 09/04/2014

Name: Kamini Sivakumar

Date: 09/04/2014

Date: \_\_\_\_\_

\_\_\_\_\_  
KALE DILIP MADHUSUDAN

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_  
THOMAS NUZHATH JOEMAN

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: 09/04/2014 \_\_\_\_\_  
KALE DILIP MADHUSUDAN

Witnessed by:

Name: (Srinath Banerjee) Date: 09/04/2014

Name: (Ramesh Sivakumar) Date: 09/04/2014