

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT		
<b>EFFECTIVE DATE:</b>	09/20/2016		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
DEEPAK M. KIRPALANI			09/20/2016
DIPTI PRAKASH MOHAPATRA			09/20/2016
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	NATIONAL RESEARCH COUNCIL OF CANADA		
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<b>City:</b>	OTTAWA		
<b>State/Country:</b>	CANADA		
<b>Postal Code:</b>	K1A 0R6		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Application Number:</b>	17558788		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>			
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<b>SIGNATURE:</b>	/D. Trevor Newton/		
<b>DATE SIGNED:</b>	02/23/2022		
<b>Total Attachments: 3</b>			
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### CONFIRMATORY ASSIGNMENT

WHEREAS, we, **Deepak M. KIRPALANI**, a citizen of **CANADA** residing at **64 Marble Arch Crescent, Nepean, Ontario K2G 5S7, CANADA** and **Dipti Prakash MOHAPATRA** a citizen of **India** residing at **475 Elgin Street, #903, Ottawa, Ontario K2P 2E6, CANADA** in the course of our work at and/or for the National Research Council of Canada have made an invention (hereinafter the "Invention") for which we have made application for Letters Patent entitled

### FERRO-CAVITATION PROCESSES FOR TARGET METAL SEPARATION

filed in the **United States** on **September 20, 2016** under U.S. Provisional Application No. **62/397,112** (hereinafter the "Application")

AND WHEREAS, **National Research Council of Canada**, a Departmental Corporation forming part of the Government of Canada, created by an act of Parliament, the National Research Council Act, R. S. C. 1985, c. N-15, having its principal offices at 1200 Montreal Road, Ottawa, Ontario K1A 0R6, CANADA. is our employer and/or maintains facilities or equipment that we used in making the Invention, and is the owner of our rights in the Invention by action of law, namely s. 3 of *The Public Servants Inventions Act* of Canada, or by agreement;

NOW, THEREFORE, in consideration of having been provided with an opportunity to participate in scientific research at the National Research Council of Canada and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **Deepak M. KIRPALANI** and **Dipti Prakash MOHAPATRA** hereby confirm that we did transfer to the National Research Council of Canada all of our right, title and interest in and to the Invention in all countries of the world and in and to the Application and all subsequent patent applications based thereon, including any regular patent applications that claim priority therefrom, and any and all continuations, divisions and reissues of any of the foregoing, together with the right to claim priority from the Application under the provisions of any international agreements and national laws including the International Convention for the Protection of Industrial Property,

2016-074

AND we hereby confirm that we have the right to make the assignment herein free of any encumbrances or interests of any other parties,

AND we hereby authorize the Commissioner of Patents and Trademarks, and any official of any country authorized to issue patents, to issue any Letters Patent for the Invention to National Research Council of Canada, to the extent that the same would have been issued to us in the event that ownership rested with us as inventors.

This Confirmatory Assignment is effective as of **September 20, 2016**.

Executed on

Sept 20, 2016

Deepak M. Kirpalani  
Deepak M. KIRPALANI

**Declaration by Witness**

I, Andrei Witek, whose full post office address is

1394 Leigh Cree, Ottawa, K1J 8E4

say:

That I was personally present and did hear and see, **Deepak M. KIRPALANI**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

Andrei Witek  
(signature of witness)

2016-074

Executed on 2016/07/20

Dipti Prakash Mohapatra  
Dipti Prakash MOHAPATRA

**Declaration by Witness**

I, Andrey Micalik, whose full post office address is  
1394 Leigh Cres Ottawa, K1J 8E4  
say:

That I was personally present and did hear and see, **Dipti Prakash MOHAPATRA**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.

Micalik  
(signature of witness)