

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AMOL ARVIND KULKARNI	10/31/2016
VIVEK VINAYAK RANADE	10/31/2016
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Property Type	Number
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DATE SIGNED:	12/14/2016
Total Attachments: 3	
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Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned, Amol Arvind Kulkarni c/o National Chemical Laboratory, Dr. Homi Bhabha Road, Pune, Maharashtra 411008, India; and Vivek Vinayak Ranade c/o National Chemical Laboratory, Dr. Homi Bhabha Road, Pune, Maharashtra 411008, India Effective December 12, 2014

Hereby sell, assign and transfer to Council of Scientific & Industrial Research, a corporation of India, having a place of business at Anusandhan Bhawan, Rafi Marg, New Delhi 110 001, India and its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on 10/31/2016 and is entitled

TUBE IN TUBE CONTINUOUS GLASS-LINED REACTOR

(U.S. Serial No. 15/103,735, filed June 10, 2016, §371 national stage of PCT International Application No. PCT/IN2014/000773, filed December 12, 2014, on behalf of Council of Scientific & Industrial Research claiming priority of Indian Patent Application No. 3622/DEL/2013 filed December 12, 2013) and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

IPW Rec. April 19, 2007

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; 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 or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

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.

Date: October 31, 2016

Witness: Dr. Vikas Panchanikar [signature]

[printed name]

National Chemical [address]

Laboratory Pune India

Dr. Vikas Panchanikar
Senior Supt.
Research & Development Laboratory
Pune 411 004

Amol Arvind Kulkarni [signature] [S.]
Amol Arvind Kulkarni

JPW Rev. April 17, 2007

[Signature]

RSI

Date: October 31, 2016

Vivek Vinayak Ranade

Witness: *Vinayak Ranade*

National Chemical
Laboratory, Pune, India