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PATENT ASSIGNMENT COVER SHEET

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	SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASS	ASSIGNMENT		
CONVEYING PARTY	ΟΑΤΑ				
			e	Execution Date	
NAIYING DU				11/13/2009	
MICHAEL D. GUIVER				11/19/2009	
GILLES P. ROBERTSON				11/17/2009	
RECEIVING PARTY	DATA				
Name:	NATIO	NATIONAL RESEARCH COUNCIL OF CANADA			
Street Address:	1200 N	1200 MONTREAL ROAD			
City:	ΟΤΤΑν	ΟΤΤΑΨΑ			
State/Country:	CANA	CANADA			
Postal Code:	K1A OF	K1A 0R6			
	Application Number: 142		4206065		
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CONFIRMATORY ASSIGNMENT

Whereas, We, Naiying DU, citizen of China and residing at 250 Brittany Drive, Apt. 104, Ottawa Ontario K1K 4M1, Canada, Michael D. GUIVER, citizen of Canada and residing at 410 Byron Avenue, Ottawa, Ontario K1Z 6Z3, Canada and Gilles P. ROBERTSON, citizen of Canada and residing at 59 Du Bruant, Hull Quebec J9A 2Y1, Canada respectively, in the course of our work at and/or for the National Research Council of Canada have made an invention for which we have made application for Letters Patent; and

Whereas **National Research Council of Canada**, a body corporate under the *National Research Council Act* by the Parliament of Canada, and situated in the city of Ottawa, Province of Ontario, Canada, is our employer and/or maintains facilities or equipment we used in making this invention, and is the owner of our rights in this invention by action of law, namely s. 3 of the *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 is hereby acknowledged, we, **Naiying DU**, **Michael D. GUIVER** and **Gilles P. ROBERTSON** did transfer to the National Research Council of Canada, and hereby confirm said transfer, the legal ownership of our full and exclusive right, for the territory of Canada and the United States of America and all other countries, including the right to claim priority, the right to file foreign applications under the provisions of the International Convention and national laws, the right to file any divisional and continuation applications, in and to the said invention as described and claimed in the application for patent entitled

"Ladder Polymers with Intrinsic Microporosity and Process for Production

Thereof"

International Patent Application PCT/CA2009/001472 filed on October 16, 2009 in the Patent Cooperation Treaty Receiving Office and United States Patent Application 61/193,081 filed on October 27, 2008 in the United States therefor; and we hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent, as far as our rights are concerned, to National Research Council of Canada, as the assignee, for the sole behoof of said National Research Council of Canada, and its legal representatives, to the full end of the term for which said Letters Patent may be

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PATENT REEL: 032416 FRAME: 0456

granted, as fully and entirely as the same would have been held by us in the event that ownership rested with us, the inventors. In addition, we confirm that the National Research Council of Canada has full rights to abandon the invention and any related patents or patent applications or any aspect thereof and to license, further assign, and otherwise deal with the rights in any and all jurisidictions at its sole discretion and without providing compensation to us.

The inventors signing this document acknowledge that, except as explicitly noted herein, their entire inventive contribution made toward this invention was completed in the course of their work with and/or for the National Research Council of Canada and no other person or organization has any claim to their rights in the invention or any aspect thereof and the inventors have not granted or purported to grant rights in the invention to any other party or organization at any time.

This document has been read and understood prior to signature. Receipt of sufficient opportunity to seek clarification of any concerns is acknowleged.

Executed this 13 day of November, 2009 at Ottacia, ONT. CANADA Naiying Du

Declaration by Witness I, <u>Julie Lefebure</u>, whose full post office address is Ottowa Dast CAWARA say:

That I was personally present and did hear and see, Naiying DU who is personally known to me duly sign and execute the above Assignment and confirm having read and understood all that it contains.

(signature of witness)

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Executed this 19th day of November, 2009 at Hanyang University, Sepul, S. KOREA

Declaration by Witness

I, Jieun Lee, whose full post office address is Manyang University Secul say

That I was personally present and did hear and see, Michael D. GUIVER who is personally known to me duly sign and execute the above Assignment and confirm having read and understood all that it contains.

(signature of witness)

Executed this 17 day of <u>Alember</u> 2009 at <u>Othewa Ont Cauada</u>

Declaration by Witness lefebure, whose full post office address is Hansa anada sav:

That I was personally present and did hear and see, **Gilles P. ROBERTSON** who is personally known to me duly sign and execute the above Assignment and confirm having read and understood all that it contains.

(Allie Lefeller

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RECORDED: 03/12/2014