

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4188767

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW HAWRYLUK	06/16/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOVA CHEMICALS (INTERNATIONAL) S.A.
<b>Street Address:</b>	AVENUE DE LA GARE 14
<b>City:</b>	FRIBOURG
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	1700
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15319414
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)490-4323
<i>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.</i>	
<b>Phone:</b>	412-490-4323
<b>Email:</b>	Karen.Lockhart@novachem.com
<b>Correspondent Name:</b>	NOVA CHEMICALS INC./KAREN S. LOCKHART
<b>Address Line 1:</b>	1555 CORAOPOLIS HEIGHTS ROAD
<b>Address Line 4:</b>	MOON TOWNSHIP, PENNSYLVANIA 15108
<b>ATTORNEY DOCKET NUMBER:</b>	2014 025 PCT/USA-NONP
<b>NAME OF SUBMITTER:</b>	KAREN S. LOCKHART
<b>SIGNATURE:</b>	/karen s lockhart/
<b>DATE SIGNED:</b>	12/16/2016
<b>Total Attachments: 1</b> source=2014025PCTUSAssignment#page1.tif	

**WORLD WIDE ASSIGNMENT**

In consideration of (\$1.00) One Dollar and other good and valuable consideration, the receipt whereof is hereby acknowledged, I,

**HAWRYLUK, Andrew**, a Canadian citizen, residing at 35 Beddington Way N.E.,  
Calgary, Alberta, CANADA T3E 1M8,

do hereby sell, assign and transfer to **NOVA Chemicals (International) S.A.**, a corporation of Switzerland, having an office at Avenue de la Gare 14, 1700 Fribourg, Switzerland, its successors and assigns, all my right, title and interest in and to my invention entitled:

**"CONTROLLING LOCAL FLUID AGE IN A STIRRED REACTOR"**

in the United States and in all other countries of the world.

I further undertake to execute without further consideration all lawful papers, all divisional, continuing and reissue applications, make all rightful oaths, and generally do everything possible to assist and enable the said **NOVA Chemicals (International) S.A.**, its successors, assigns and nominees, to obtain and enforce proper patent protection for the said invention.

This indenture shall be binding upon and enure to the benefit of the heirs, executors, administrators, successors and assigns, respectively, of the parties hereto.

**SIGNED** in the City of Calgary, in the Province of Alberta, this 16<sup>th</sup> day of June, 2014.

**WITNESS:**

*Kim Overland*

*Andrew Hawryluk*  
**Andrew Hawryluk**

**AFFIDAVIT OF EXECUTION**

I, *Kim Overland*, whose full post office address is c/o NOVA Chemicals Corporation, 2928 - 16 Street NE, Calgary, Alberta, Canada, T2E 7K7

**MAKE OATH AND SAY:**

That I was personally present and did see **Andrew Hawryluk** who is personally known to me to be the person named in this assignment duly sign and execute the same.

**SWORN** before me at the City  
of Calgary, in the Province of  
Alberta, this 16<sup>th</sup> day of  
June, 2014

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*Kim Overland*

*Levin Hoff*  
A Notary Public in and for the  
Province of Alberta