

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7022797

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VASILY SIMANZHENKOV	02/12/2020
RABI DEY	01/29/2020
HANY FARAG	01/20/2020
RECEIVING PARTY DATA	
Name:	NOVA CHEMICALS (INTERNATIONAL) S.A.
Street Address:	AVENUE DE LA GARE 14
City:	FRIBOURG
State/Country:	SWITZERLAND
Postal Code:	1700
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17435088
CORRESPONDENCE DATA	
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<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>	
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Correspondent Name:	FISH & RICHARDSON P.C.
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Address Line 4:	MINNEAPOLIS, MINNESOTA 55440
ATTORNEY DOCKET NUMBER:	47526-0043US1
NAME OF SUBMITTER:	MONICA GAMEZ
SIGNATURE:	/Monica Gamez/
DATE SIGNED:	11/12/2021
Total Attachments: 3	
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ASSIGNMENT

WHEREAS:

SIMANZHENKOV, Vasily, a Canadian citizen residing at 484 Rocky Ridge Drive N.W., Calgary, Alberta, Canada, T3G 5C3;

DEY, Rabi, a Canadian citizen residing at 56 Brightoncrest Point S.E., Calgary, Alberta, Canada, T2Z 1A1; and

FARAG, Hany, a Canadian citizen residing at 320 Westwood Drive S.W., Calgary, Alberta, Canada, T3C 2W4,

have invented subject matter described and claimed in an application for patent entitled:

“THERMAL DECOMPOSITION IN CHEMICAL LOOPING COMBUSTION”

filed in the PCT at the International Bureau of WIPO on March 6, 2020, and assigned application number PCT/IB2020/051,978 (“the Invention”);

NOW THEREFORE, in consideration of one dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, Vasily Simanzhenkov, Rabi Dey and Hany Farag, hereby:

1. Sell, assign and transfer, to **NOVA Chemicals Corporation**, a New Brunswick corporation having a head office at 1000 - 7th Avenue SW, Calgary, Alberta, Canada, T2P 5L5, its successors and assigns, all of their right, title and interest in and to the Invention in and for Canada, and in and to any and all Canadian patent applications that may be filed therefor, and all Canadian patents that may be issued therefor, including any and all divisionals, reissues and extensions thereof, together with the right to claim convention priority to the above-mentioned patent application, if applicable, which right, title and interest NOVA Chemicals Corporation accepts, and the right to enforce, pursue, collect, retain in NOVA Chemicals Corporation's name or otherwise, damages, an accounting of profits, an injunction and any other remedies arising from any past, present, or future infringement of the Invention, patent application or issued patent in Canada, and any other rights assigned by this assignment;
2. 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 of their right, title and interest in and to the Invention in and for all countries of the world excluding Canada, and in and to any and all patent applications that may be filed therefor, and all patents that may be issued therefor, including any and all continuations, continuations-in-part, divisionals, reissues, and extensions thereof, in and for all countries of the world excluding Canada, together with the right to claim convention priority to the above-mentioned patent application for all patent applications and patents in and for all countries of the world excluding Canada, if applicable, which right, title and interest NOVA Chemicals (International) S.A. accepts, and the right to enforce, pursue, collect, retain in NOVA Chemicals (International) S.A.'s name or otherwise, damages, an accounting of profits, an injunction and any other remedies arising from any past, present, or future infringement of the Invention, patent application or issued patent in all countries of the world excluding Canada, and any other rights assigned by this assignment;
3. Agree that they will, when requested, without charge, sign all papers, take all oaths, make all declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the Invention in any and all countries and for vesting title in **NOVA Chemicals Corporation** or **NOVA Chemicals (International) S.A.**, as the case may be, or their respective successors and assigns;
4. Authorize **NOVA Chemicals Corporation**, or **NOVA Chemicals (International) S.A.**, as the case may be, to insert into this assignment the filing date and application number of the above mentioned application, when known, together with any further or additional identification which may be necessary or desirable to effect recordation of this assignment in any country;

- 5. Confirm that this assignment shall be binding upon, and enure to the benefit of, the heirs, executors, administrators, successors and assigns of the parties hereto, respectively.
- 6. Agree that this assignment shall be governed by, construed in accordance with, and subject to, the laws of the province of Alberta, Canada.

SIGNED at the city of Calgary, Alberta, this 12th day of February, 2020.

[Signature]
Vasily Simanzhenkov

[Signature]
WITNESS

AFFIDAVIT OF EXECUTION

I, Kim Pond, 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 Vasily Simanzhenkov 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 13th day of)
February, 2020)

[Signature]

[Signature]

A Notary Public in and for the Province of Alberta

Robert Hay, Lawyer

SIGNED at the city of Calgary, Alberta, this 29 day of January, 2020.

[Signature]
Rabi Dey

[Signature]
WITNESS

AFFIDAVIT OF EXECUTION

I, Lyn Hitchie, 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 Rabi Dey 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 12th day of)
February, 2020)

[Signature]

[Signature]

A Notary Public in and for the Province of Alberta

Robert Hay, Lawyer

SIGNED at the city of Calgary, Alberta, this 20 day of January, 2020.

Hany Farag
Hany Farag

Kim Pond
WITNESS

AFFIDAVIT OF EXECUTION

I, Kim Pond, 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 Hany Farag 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 15th day of)
February, 2020)

Kim Pond

Robert Max. Lawver

A Notary Public in and for the Province of Alberta

Robert Max. Lawver

SIGNED at the city of Calgary, Alberta, this 10th day of February, 2020.

Umesh Karnik

NOVA Chemicals Corporation
By: Umesh Karnik
I have authority to bind the corporation

Kim Pond

Kim Pond
WITNESS

SIGNED at the city of Calgary, Alberta, this 12th day of February, 2020.

Carolyn Hoff

NOVA Chemicals (International) S.A.
By: Carolyn Hoff
I have authority to bind the corporation

Kim Pond

Kim Pond
WITNESS