

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4482645

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MECANIQUE ANALYTIQUE INC.	05/31/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	APN-AFP INC.	
<b>Street Address:</b>	2659 PARC-TECHNOLOGIQUE BOULEVARD	
<b>City:</b>	QUEBEC	
<b>State/Country:</b>	CANADA	
<b>Postal Code:</b>	G1P 4S5	
<b>PROPERTY NUMBERS Total: 4</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	61776300	
<b>Application Number:</b>	61787050	
<b>Application Number:</b>	61839581	
<b>Application Number:</b>	14775195	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(514)397-8515	
<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>	5143978500	
<b>Email:</b>	patents@bcf.ca	
<b>Correspondent Name:</b>	BCF LLP	
<b>Address Line 1:</b>	1100 RENE-LEVESQUE BLVD WEST	
<b>Address Line 2:</b>	25TH FLOOR	
<b>Address Line 4:</b>	MONTREAL, CANADA H3B 5C9	
<b>ATTORNEY DOCKET NUMBER:</b>	30865-008F10	
<b>NAME OF SUBMITTER:</b>	ALINE DESARZENS	
<b>SIGNATURE:</b>	/Aline Desarzens/	
<b>DATE SIGNED:</b>	06/28/2017	
<b>Total Attachments: 4</b>		
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## CONFIRMATORY ASSIGNMENT

WHEREAS **MECANIQUE ANALYTIQUE INC.**, a corporation governed by the *Business Corporation Act (Quebec)*, having its head office at 233 Jalbert Street West, Thetford Mines (Quebec) G6G 7W1, Canada (hereinafter, the "Assignor"), is the owner of the invention as described and claimed in the patents and applications set out in the appended schedule (hereinafter referred to as the "Patents and Patent Applications").

AND WHEREAS, **APN-AFP INC.**, a corporation governed by the *Business Corporation Act (Quebec)*, having its head office at 2659 Parc-Technologique Boulevard, Québec (Québec) G1P 4S5, Canada (hereinafter, the "Assignee") is desirous of confirming acquisition of the entire right, title, and interest in and to the Patents and Patent Applications, inclusive of any continuations or divisions thereof and all priority rights derived therefrom, for any and all countries in the world, and in and to any and all corresponding patent applications and any continuations or divisions thereof filed in any and all countries in the world, and in and to any and all patents issuing in any and all countries of the world, to be granted for the invention based on the Patents and Patent Applications or on corresponding patent applications;

NOW, THEREFORE, in consideration of the sum of ten Canadian dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor hereby confirms having sold, assigned and transferred to the Assignee, its successors and assigns, its entire right, title, and interest in and to the invention, and in and to the Patents and Patent Applications inclusive of any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all corresponding patent applications and any continuations or divisions thereof filed in any and all countries in the world, and in and to any and all patents which may be granted for the invention in any and all countries in the world, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term or terms for which the patent, or reissues, substitutions or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor had no sale, assignment or transfer been made;

AND the Assignor hereby authorizes and requests any official whose duty it is to issue patents to issue each and every patent to be granted for the invention in any and all countries, and each and every reissue, substitution or prolongation of such patent, to the Assignee, its successors and assigns;

AND the Assignor hereby authorizes the firm of BCF LLP whose full post office address is 1100 Rene-Levesque Blvd West, 25<sup>th</sup> floor, Montreal, Quebec, H3B 5C9, CANADA to correct clerical errors in the Assignment or to insert any further identification or other information necessary or desirable to make the Assignment suitable for recordal at the Canadian Intellectual Property Office and at the United States Patent and Trademark Office;

THIS Assignment is made effective as of May 31, 2017.

AS agreed by both the Assignee and the Assignor, this Assignment has been drawn up in English. *Tel que convenu par le cessionnaire et le cédant, cette cession a été rédigée en anglais.*

IN WITNESS WHEREOF, the Assignor has executed this Assignment, at Thetford-Mines, this 31 day of May, 2017.

MECANIQUE ANALYTIQUE INC.

BY:

Yves Gamache

Yves Gamache  
President

DECLARATION OF WITNESS

I, André Lacomte, whose full postal address is 303 Alfred, Thetford-Mines, G6G 3M2 hereby declare that I was personally present and did see Yves Gamache, who is personally known to me to be the person named in this Assignment, sign and execute same.

Declared at Thetford-Mines, this 31 day of May, 2017.  
(Locality)

An L  
Witness signature

ACKNOWLEDGED AND ACCEPTED at \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_.

APN-AFP INC.,

BY: \_\_\_\_\_

Yves Proteau,  
Vice-President

AS agreed by both the Assignee and the Assignor, this Assignment has been drawn up in English. *Tel que convenu par le cessionnaire et le cédant, cette cession a été rédigée en anglais.*

IN WITNESS WHEREOF, the Assignor has executed this Assignment, at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

**MECANIQUE ANALYTIQUE INC.,**

BY: \_\_\_\_\_

Yves Gamache  
President

**DECLARATION OF WITNESS**

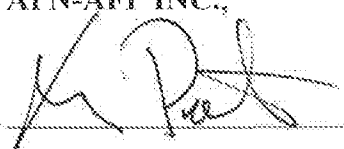
I, \_\_\_\_\_, whose full postal address is \_\_\_\_\_ hereby declare that I was personally present and did see **Yves Gamache**, who is personally known to me to be the person named in this Assignment, sign and execute same.

Declared at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_,  
(Locality)

\_\_\_\_\_  
Witness signature

ACKNOWLEDGED AND ACCEPTED at QUEBEC CITY  
this 31 day of MAY, 2017.

**APN-AFP INC.,**

BY:  \_\_\_\_\_

Yves Proteau,  
Vice-President

# SCHEDULE OF PATENTS AND PATENT APPLICATIONS

DIAPHRAGM VALVE WITH SEALING ASSEMBLY, CHROMATOGRAPHIC SYSTEM INCLUDING SAME AND METHOD OF OPERATION THEREOF				
Country	Application No.	Filing date	Patent No.	Status
U.S.A	61/776.300	11-03-2013	N/A	Expired
U.S.A	61/787.050	15-03-2013	N/A	Expired
U.S.A	61/839.581	26-06-2013	N/A	Expired
PCT	PCT/CA2014/050208	11-03-2014	N/A	Expired
U.S.A	14/775.195	11-03-2014	N/A	Allowed
CANADA	2.905.593	11-03-2014	N/A	Pending
CHINA	201480026876.1	11-03-2014	N/A	Allowed
EUROPE	14762947.1	11-03-2014	N/A	Pending
JAPAN	2015-561858	11-03-2014	N/A	Pending