

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5379896

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
DEVONIAN HEALTH GROUP INC.	01/17/2019
RECEIVING PARTY DATA	
Name:	GRX HEALTHCARE INC.
Street Address:	665 MILLWAY AVENUE
Internal Address:	UNIT 31B
City:	CONCORD
State/Country:	CANADA
Postal Code:	L4K 3T8
PROPERTY NUMBERS Total: 14	
Property Type	Number
Application Number:	10573139
Application Number:	15772155
Application Number:	12171927
Application Number:	16062059
Application Number:	16154364
Application Number:	16030485
Application Number:	60301832
Application Number:	60503881
Patent Number:	7270839
Patent Number:	10124029
Patent Number:	8632824
Patent Number:	10045934
Patent Number:	7329423
Patent Number:	9555068
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	AGroleau@lavery.ca

Correspondent Name: ANNIE GROLEAU
Address Line 1: 1 PLACE VILLE-MARIE, SUITE 4000
Address Line 2: LAVERY, DE BILLY, L.L.P.
Address Line 4: MONTREAL, CANADA H3B 4M4

ATTORNEY DOCKET NUMBER: 1047402 PAT 134718-00004

NAME OF SUBMITTER: ANNIE GROLEAU

SIGNATURE: /Annie Groleau/

DATE SIGNED: 02/18/2019

Total Attachments: 9

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CONFIRMATION OF GRANT OF SECURITY INTEREST

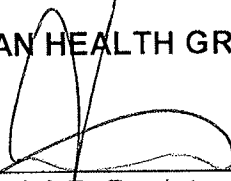
This will confirm that, pursuant to that certain "Deed of Hypothec" (hereinafter referred to as the "**Hypothec**") dated January 17, 2019 by and between **DEVONIAN HEALTH GROUP INC.**, a corporation governed by the laws of Canada acting as grantor and having a registered office at 360 Rue des Entrepreneurs, Montmagny, Québec, G5V 4T1 (hereinafter referred to as "**Devonian**") and **GRX HEALTHCARE INC.**, a corporation governed by the laws of Ontario, acting as lender and having a registered office at 665 Millway Avenue, Unit 31B, Concord, Ontario, L4K 3T8 (hereinafter referred to as the "**Lender**"), and for good and valuable consideration, the receipt and sufficiency of which are hereby confirmed and acknowledged, Devonian has granted to the Lender a hypothec and security interest in all of Devonian's right, title and interest in and to all of the present and future personal movable and immovable property of every kind and nature, tangible and intangible of Devonian including, without limitation, its intellectual property, including, without limitation, the copyrights, industrial designs, trademarks, patents and trademark and patent applications and registrations listed therein and on the Schedule attached hereto, and in and to any and all continuations, continuations-in-part, updates, developments, divisions, reissues and re-examinations which issue therefrom.

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SIGNATURE

EXECUTED this 17th day of January, 2019.

DEVONIAN HEALTH GROUP INC.

Per: 

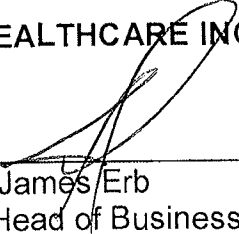
Name: André P. Boulet

Title: President, Secretary and CEO

I have authority to bind the Corporation.

EXECUTED this 17th day of January, 2019.

GRX HEALTHCARE INC.

Per: 

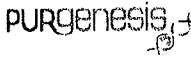
Name: James Erb

Title: Head of Business Development

[Signature page to the Confirmation of Grant of Security Interest]

SCHEDULE TO CONFIRMATION OF GRANT OF SECURITY INTEREST

I. Trademarks:

Country	Mark	Application # / date	Registration # / date	Product/Services	Status
CA		1503440 2010-11-12	919232 2015-11-03	COSMETIC PHOTO-AGING	RENOUV 2030-11-03
US		85-183,249 2010-11-23	5,080,154 2016-11-15	COSMETIC PHOTO-AGING	AFFIDAVIT 2022-11-15 RENOUV 2026-11-15
EP		009545666 2010-11-23	009545666 2011-05-13	COSMETIC PHOTO-AGING	RENOUV 2020-11-23
CH		80271/2018 2018-10-18		COSMETIC PHOTO-AGING	PENDING
CA	PURGENESIS (nom)	1847085 2017-07-12		COSMETIC PHOTO-AGING	PENDING
CA	FARM TO PHARM	1726486 2015-05-01	955456 2016-11-16	MATÉRIEL DE MARKETING ET SERVICES DE CONSULTAION POUR MÉDICAMENTS BOTANQUES	RENOUV: 2031-11-16
US	FARM TO PHARM	86-635,150 2015-05-19	5,548,104 2018-08-28	MATÉRIEL DE MARKETING ET SERVICES DE CONSULTAION POUR MÉDICAMENTS BOTANQUES	AFFIDAVIT: 28-08-2024 RENOUV: 2028-08-28
CA	R-SPINASOME (nom)	1433256 2009-04-01	919230 2015-11-03	INGRÉDIENT ACTIF - COSMÉTIC ANTI- RIDES	RENOUV 2030-11-03
US	R-SPINASOME (dessin)	77-717,776 2009-04-20	5,173,427 2017-04-04	INGRÉDIENT ACTIF - COSMÉTIC ANTI- RIDES	AFFIDAVIT 2023-04-04 RENOUV 2027-04-04
CA	DEVONIAN (nom)	1847029 2017-07-12		MÉDICAMENTS BOTANQUES DE PRESCRIPTION (BOTANICAL DRUGS) et PSN	PENDING
CA		1847065 2017-07-12		idem	PENDING
CA		1847071 2017-07-12		idem	PENDING

II. Patents

(see attached)

PATENT 1 :	DESCRIPTION PROCESS FOR OBTAINING THYLAKOIDS FROM PHOTOSYNTHETIC ORGANISMS; PLANT FRACTIONS OBTAINED FROM THE PROCESS; PURE THYLAKOIDS; AND METHODS OF USE OF THYLAKOIDS AS ROS SCAVENGERS, PHOTO-PROTECTORS, BIOSENSORS, BIOFILTERS AND BIOREACTORS				
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
CA	2.293.852 1999-12-30				
PCT	PCT/CA00/01541	WO 2001/049305 2001-07-12			
CA	2.393.816 2000-12-29		2.393.816 2013-12-24	TMA 2018-12-29 EXP : 2020-12-29	DÉLIVRÉ
US	10/169.931 2000-12-29	2003/0175374 A1 2003-09-18	7.270.839 2007-09-18	TMA 2019-03-18 EXP : 2022-06-15	DÉLIVRÉ
US DIV	11/734.449 2000-12-29	2007/0202198 A1 2007-08-30	8.632.824 2014-01-21	TMA 2021-07-21 TMA 2025-07-21 EXP : 2025-05-07	DÉLIVRÉ
JP	2001-549673 2000-12-29		4689129 2011-02-25	TMA 2019-02-25 EXP : 2020-12-29	DÉLIVRÉ
EP	00 986 929.8 2000-12-29		1 242 104 2005-12-14	TMA 2018-12-31 EXP: 2020-12-29	DÉLIVRÉ ET VALIDÉ
FR					ACTIF/validé
DE					ACTIF/validé
IT					ACTIF/validé
UK					ACTIF/validé

PATENT 2:	DESCRIPTION COMPOSITIONS COMPRISING THYLAKOIDS USEFUL IN THE MODULATION OF THE INFLAMMATION PROCESS				
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
USPR	60/301.832 2001-07-02				
CA	2.381.830 2002-04-15				
PCT	PCT/CA02/01009	WO 2003/004042 2003-01-16			

PATENT 2 :	DESCRIPTION COMPOSITIONS COMPRISING THYLAKOIDS USEFUL IN THE MODULATION OF THE INFLAMMATION PROCESS				
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
CA	2.450.833 2002-07-02		2.450.833 2009-09-22	TMA 2019-07-02 EXP 2022-07-02	DÉLIVRÉ
US	10/482.797 2002-07-02	2005/0048148 A1 2005-03-03	7.329.423 2008-02-12	TMA 2019-08-12 EXP 2022-07-02	DÉLIVRÉ
JP	2003-510053 2002-07-02		4988144 2012-05-11	TMA 2019-05-11 EXP 2022-07-02	DÉLIVRÉ
EP	02 745 002.2 2002-07-02		1 401 463 2005-09-21	TMA 2019-07-02 EXP : 2022-07-02	DÉLIVRÉ ET VALIDÉ
DE					ACTIF/validé
FR					ACTIF/validé
UK					ACTIF/validé
IT					ACTIF/validé

PATENT 3 :	DESCRIPTION ORAL COMPOSITIONS AND ROUTE OF ADMINISTRATION FOR THE DELIVERY OF A THYLAKOID EXTRACT				
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
USPR	60/503.881 2003-09-22				
US	10/573.139 2004-09-22				
US	12/171.927 2004-09-22				
PCT	PCT/CA2004/001724	WO 2005/027944 2005-03-31		EXP 2024-09-22	ÉCHUE
CA	2.535.208 2004-09-22		2.535.208 2013-11-26	TMA 2018-09-22 EXP : 2024-09-22 CPS 2024 + 2 ans= 2026	DÉLIVRÉ 1 ^{ère} approbation réglementaire (eczéma ? IBD?) à surveiller pour CPS

PATENT 3 :		DESCRIPTION ORAL COMPOSITIONS AND ROUTE OF ADMINISTRATION FOR THE DELIVERY OF A THYLAKOID EXTRACT			
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
US	14/489,731 2004-09-22	2015/004265 A1 2015-01-01	9.555.068 2017-01-31	TMA 2020-07-31 TMA 2024-07-31 EXP: 2025-04-21	DÉLIVRÉ (2024-09-22 + 211 days term extension) Claims directed to: 1. A method of treating inflammation in a patient in need thereof, comprising orally administering to said patient an oral composition in an effective amount to treat inflammation, the oral composition including a purified thylakoid extract and a carrier comprising sodium alginate, CMC low viscosity or CMC high viscosity
US CONTINUATION	15/342,807 2004-09-22	2017/004983 1-A1 2017-02-23	10.124.029 2018-11-13	TMA: 2022-05-13 EXP: 2024-12-28	DÉLIVRÉ
US DIV	16/154,364 2018-10-12				PENDING Claims directed to: Method of making an oral composition Group I of claims
JP	2006-526498 2004-09-22	2007/533619 2007-11-22	4782681 2011-07-15	TMA 2019-07-15 EXP 2024-09-22	DÉLIVRÉ
EP	04 786 644.7 2004-09-22	Bulletin 2013/19 2013-05-08	1 663 268 2013-05-08	TMA 2018-09-22 EXP 2024-09-22	DÉLIVRÉ ET VALIDÉ
DE					ACTIF/validé
AUTRICHE					ACTIF/validé
BE					ACTIF/validé
ESPAGNE					ACTIF/validé
FR					ACTIF/validé
IRLANDE					ACTIF/validé
IT					ACTIF/validé
LUXEMBOURG					ACTIF/validé
PAYS-BAS					ACTIF/validé
PL					ACTIF/validé
UK					ACTIF/validé
SU					ACTIF/validé
CH					ACTIF/validé

PATENT 4 :	DESCRIPTION THE USE OF A PHOTOSYNTHETIC CELL EXTRACT IN A COSMETIC COMPOSITION; R-spinasome				
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
PCT	PCT/CA2001/000372 2011-04-12				
CA	2.699.676 2010-04-12	2011-10-12	2.699.676 2018-07-17	TMA 2019-04-12 EXP: 2030-04-12	DÉLIVRÉ
CA DIV	3.006.482 2010-04-12			DIV déposée le 28 mai 2018 EXP: 2030-04-12	PENDING Amendement volontaire déposé pour extrait seul vs hydratation
EP	11 768 299.7 2011-04-12			TMA 2019-04-12 EXP: 2031-04-12	Accepté En attente du certificat de brevet pour procéder aux validations
Belgique	"				
France	"				
Royaume-Uni	"				
Allemagne	"				
Espagne	"				
Italie	"				
Suisse	"				
Suède	"				
Irlande	"				
Pays-Bas	"				
Autriche	"				
EP DIV	18 193 063.7 2018-09-06			EXP: 2031-04-12	DIV déposée pour extrait seul vs hydratation
JP	2013-504072 2011-04-12		5952261 2016-06-17	TMA 2019-06-17 EXP : 2031-04-12	DÉLIVRÉ
JP DIV	2016-15343 2011-04-12			EXP: 2031-04-12	PENDING Extrait seul pour hydratation Pre-appeal brief déposé avec arguments
US	13/261.472 2011-04-12	2013/03091 81 A1 2013-11-21	10.045.934 2018-08-14	TMA: 2022-02-14 TMA: 2026-02-14 TMA: 2030-02-14 EXP: 2034-06-17	DÉLIVRÉ

PATENT 4 :		DESCRIPTION THE USE OF A PHOTOSYNTHETIC CELL EXTRACT IN A COSMETIC COMPOSITION; R-spinasome			
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
US DIV	16/030,485 2018-07-09			?	DIV déposée avec extrait seul pour hydratation Déclarations à signer par inventeurs envoyées au correspondant US

PATENT 5 :		DESCRIPTION THYLAKOID EXTRACT COMPOSITION AND FORMULATION FOR THE TREATMENT OF INFLAMMATORY BOWEL DISEASE			
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
USPR	62/250,023 2015-11-03				EXPIRED
PCT	PCT/CA2016/051268 2016-11-02	WO 2017/075698 2017-05-11			EXPIRED
CA	3,002,679 2016-11-02			TMA 2018-11-02 REX 2021-11-02	PENDING
US	15/772,155 2016-11-02			ENP déposée	PENDING
EP	16 861 14605 2016-11-02			ENP déposée 2018-11-02 TMA	PENDING
JP	2018-541459 2016-11-02			ENP + Traduction déposée REX 2019-11-02	PENDING
CN	201680077642.9 2016-11-02			REX 2018-11-03	PENDING Instructions REX envoyées au CORR
HK	18112563.2 2016-11-02				PENDING Registration of EP application 16 861 14605 in Hong Kong

PATENT 6 :		DESCRIPTION EXTRACTION AND PROCESS FOR ACTIVE THYLAKOID MEMBRANES			
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires

PATENT 6:	DESCRIPTION EXTRACTION AND PROCESS FOR ACTIVE THYLAKOID MEMBRANES				
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
USPR	62/266.770 2015-12-14				EXPIRÉ
PCT	PCT/CA2016/05167 2016-12-13	WO 2017/100915 2017-06-22		ENP dues 2018-06-14	Positive IPRP PENDING
CA	3.007.132 2016-12-13			2018-12-13 TMA	PENDING REX déposée 2018-07-03
US	16/062,059 2018-06-13				PENDING
EP	16 874 193.2 2016-12-13			2019-12-13 TMA	PENDING Décision à venir pour Protection provisoire et/ou enregistrement HONG KONG
JP	2018-528774 2016-12-13				PENDING Instructions pour REX envoyées 2018-06

PATENT 7:	DESCRIPTION COMPOSITION FOR THE PREVENTION AND/OR TREATMENT OF CARDIOVASCULAR DISEASES				
Pays	# demande / Date	# publication / Date	# Délivré / Date	Échéances (s)	Commentaires
USPR	62/250.023 2015-11-03				Expiré
USPR	62/417.415 2016-11-04				Expiré
PCT	PCT/CA2017/051306 2017-11-03			Chapter II: 2018-09-04 ENP 2019-05-04 ENP 2019-06-04	Pending