

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QUERCEGEN PHARMA A.G.	01/18/2016

RECEIVING PARTY DATA

Name:	THOMAS CHRISTIAN LINES
Street Address:	BUELSTRASSE 1
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State/Country:	SWITZERLAND
Postal Code:	8966

PROPERTY NUMBERS Total: 26

Property Type	Number
Patent Number:	7745486
Patent Number:	8440704
Patent Number:	7745487
Patent Number:	8901109
Patent Number:	8507548
Patent Number:	8044096
Patent Number:	8202900
Patent Number:	7811568
Patent Number:	8546342
Application Number:	11364136
Patent Number:	8574619
Patent Number:	8680053
Application Number:	13729544
Patent Number:	10391096
Application Number:	13303467
Application Number:	16511620
Application Number:	62014488
Application Number:	14744662
Application Number:	13350266
Patent Number:	6821536

PATENT

Property Type	Number
Application Number:	10692178
Patent Number:	7270840
Patent Number:	7569239
Patent Number:	8318224
Patent Number:	8318225
Application Number:	13679704

CORRESPONDENCE DATA

Fax Number:

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.

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ATTORNEY DOCKET NUMBER:	218017-0000
NAME OF SUBMITTER:	RUSSELL L. WIDOM, PH.D
SIGNATURE:	/Russell L. Widom/
DATE SIGNED:	03/18/2020

Total Attachments: 14

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ASSIGNMENT

Whereas Quercegen Pharma A.G., whose address is Buelstrasse 1, Oberwil-Lieli 8966, Switzerland, owns the entire right, title and interest in applications for Letters Patents of the United States of America as identified in the attached appendix; and

Whereas I, Thomas Christian Lines, whose address is Buelstrasse 1, Oberwil-Lieli 8966, Switzerland, and which, together with its successors and assigns, hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, herefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I, hereby, without reservation:

1. Assign, transfer and convey to Assignee my entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all provisional, divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

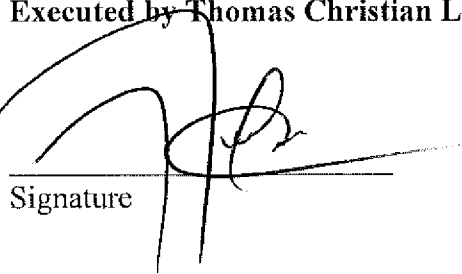
5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful



affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have executed this Assignment on the date indicated next to my name.

Executed by ~~Thomas Christian Lines~~

A handwritten signature in black ink, appearing to read 'Thomas C. Lines', written over a horizontal line.

Signature

THOMAS C LINES

Printed Name

18 JANUARY 2016

Date

Exhibit A- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by Thomas Lines, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

Exhibit B- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by Quercegen Pharma LLC, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

- U.S. Application No. 11/778,237, filed 7/16/2007, entitled "Method for enhancing physical performance or immune system recovery from intense physical exercise with quercetin-containing compositions"
- U.S. Application No.12/212,947, filed 9/18/2008, entitled "Method for stabilizing quercetin"
- PCT/US2008/076795, filed 9/18/2008, entitled "Method for stabilizing quercetin"
- Canada, Application No. CA2700867, filed 9/18/2008, entitled "Use of vitamin b3 and vitamin c to stabilize quercetin in an aqueous solution"
- South Africa, Application No. ZA201002110, filed 9/18/2008, entitled "Method for stabilizing quercetin"
- Europe, Application No. EP08835871 filed 9/18/2008, entitled "Method for stabilizing quercetin"
- Russia, Application No. RU2010117350, filed 9/18/2008, entitled "Method for stabilizing quercetin"
- U.S. Provisional Application No. 60/839,579, filed 8/23/2006, entitled "Smallpox monoclonal antibody"
- U.S. Application No. 11/843,415, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- PCT/US2007/076532, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- Canada, Application No. CA2661659, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- Australia, Application No. AU2007342327, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- Taiwan, Application No. TW96131195, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- South Korea, Application No. KR20097005915, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- China, Application No. CN200780039448, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- South Africa, Application No. ZA200901481, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- Japan, Application No. JP2009525759, filed 8/22/2007, entitled "Smallpox monoclonal antibody"
- Europe, Application No. EP07872270, filed 8/22/2007, entitled "Smallpox monoclonal antibody"

Exhibit C- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by Quercegen Pharma LLP, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

Exhibit D- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by Quercegen Technologies, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

Exhibit E- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by Quercegen Pharmaceuticals, LLC, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

- U.S. Provisional Application No. 62/014,488, filed 6/19/2014, entitled "Method for treating cancer with a combination of quercetin and a chemotherapy agent"
- PCT/US2015/036618, filed 6/19/2015, entitled "Method for treating cancer with a combination of quercetin and a chemotherapy agent"
- U.S. Application No. 14/744,662, filed 6/19/2015, entitled "Method for treating cancer with a combination of quercetin and a chemotherapy agent"
- U.S. Provisional Application No. 61/021,937, filed 1/18/2008, entitled "Method for treating addiction using quercetin-containing compositions"
- PCT/US2009/031230, filed 1/16/2009, entitled "Method for treating addiction using quercetin-containing compositions"
- U.S. Application No. 12/355,208, filed 1/16/2009, entitled "Method for treating addiction using quercetin-containing compositions"
- Canada, Application No. CA2712195, filed 1/16/2009, entitled "Method for treating addiction using quercetin-containing compositions"
- Europe, Application No. EP09703059, filed 1/16/2009, entitled "Method for treating addiction using quercetin-containing compositions"
- U.S. Application No. 13/215,629, filed 8/23/2011, entitled "Method for treating addiction using quercetin-containing compositions"
- PCT/US2009/051511, filed 7/23/2009, entitled "Reducing cholesterol levels with combined use of quercetin and statin"
- Canada, Application No. CA2735826, filed 7/23/2009, entitled "Reducing cholesterol levels with combined use of quercetin and statin"
- U.S. Application No. 12/205,070, filed 9/5/2008, entitled "Reducing cholesterol levels with combined use of quercetin and statin"
- China, Application No. CN200980134939, filed 7/23/2009, entitled "Reducing cholesterol levels with combined use of quercetin and statin"
- India, Application No. IN2100/DELNP/2011, filed 7/23/2009, entitled "Reducing cholesterol levels with combined use of quercetin and statin"
- Europe, Application No. EP09811898, filed 7/23/2009, entitled "Reducing cholesterol levels with combined use of quercetin and statin"
- Russia, Application No. RU2011112936, filed 7/23/2009, entitled "Reducing cholesterol levels with combined use of quercetin and statin"
- U.S. Provisional Application No. 60/807,601, filed 7/17/2006, entitled "Quercetin-containing compositions"

- U.S. Provisional Application No. 60/807,694, filed 7/18/2006, entitled "Quercetin-containing compositions"
- U.S. Provisional Application No. 60/900,626, filed 2/8/2007, entitled "Quercetin-containing compositions"
- U.S. Provisional Application No. 90/911,747, filed 4/13/2007, entitled "Quercetin-containing compositions"
- U.S. Provisional Application No. 60/913,164, filed 4/20/2007, entitled "Quercetin-containing compositions"
- U.S. Application No. 11/778,234, filed 7/16/2007, entitled "Quercetin-containing compositions"
- PCT/US2007/073578, filed 7/16/2007, filed 7/16/2007, entitled "Quercetin-containing compositions"
- Taiwan, Application No. TW96125955, filed 7/16/2007, entitled "Quercetin-containing compositions"
- Europe, Application No. EP07799611, filed 7/16/2007, entitled "Quercetin-containing compositions"
- China, Application No. CN200780027405, filed 7/16/2007, entitled "Quercetin-containing compositions"
- Japan, Application No. JP2009520941, filed 7/16/2007, entitled "Quercetin-containing compositions"
- U.S. Application No. 12/639,212, filed 5/14/2009, entitled "Quercetin-containing compositions"
- PCT/US2007/073580, filed 7/16/2007, entitled "Quercetin-containing compositions"
- Taiwan, Application No. TW96125956, filed 7/17/2007, entitled "Quercetin-containing compositions"
- U.S. Application No. 12/821,287, filed 6/23/2010, entitled "Quercetin-containing compositions"
- U.S. Provisional Application No. 60/657,344, filed 2/28/2005, entitled "Composition for treating mental health disorders"
- PCT/ZA2006/000031, filed 2/28/2006, entitled "Composition for treating mental health disorders"
- U.S. Application No. 11/364,136, filed 2/27/2006, entitled "Composition for treating mental health disorders"
- Taiwan, Application No. TW95106573, filed 2/28/2006, entitled "Composition for treating mental health disorders"
- Europe, Application No. EP06740979, filed 2/28/2006, entitled "Composition for treating mental health disorders"
- U.S. Application No. 13/409,902, filed 3/1/2012, entitled "Composition for treating mental health disorders"
- Hong Kong, Application No. HK08105374, filed 2/28/2006, entitled "Composition for treating mental health disorders"
- U.S. Application No. 13/729,544, filed 12/28/2012, entitled "Method for treating metabolic syndrome and diabetes using quercetin and bauhinia forficata extract"
- U.S. Provisional Application No. 61/433,777, filed 1/18/2011, entitled "Flavonol compositions"

- U.S. Application No. 13/350,266, filed 1/13/2012, entitled "Flavonol compositions"
- PCT/US2012/021670, filed 1/18/2012, entitled "Flavonol compositions"
- Japan, Application No. JP2013550549, filed 1/18/2012, entitled "Flavonol compositions"
- Europe, Application No. EP12736678, filed 1/18/2012, entitled "Flavonol compositions"
- U.S. Application No. 13/303,467, filed 11/23/2011, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Canada, Application No. CA2856506, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- PCT/US2012/066027, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Australia, Application No. AU2012340840, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Brazil, Application No. BR112014012610, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- South Korea, Application No. KR20147016393, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Japan, Application No. JP2014543531, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Mexico, Application No. MX2014006244, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- China, Application No. CN201280057722, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- India, Application No. IN999MUN2014, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Russia, Application No. RU2014125062, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Europe, Application No. EP12852154, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- South Africa, Application No. ZA201404494, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Hong Kong, Application No. HK15109096, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- New Zealand, Application No. NZ62574612, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- Thailand, Application No. TH20141002826, filed 11/20/2012, entitled "Method for treating hepatitis c virus infection using quercetin-containing compositions"
- PCT/US2012/059341, filed 10/9/2012, entitled "Method for treating thrombotic disorders using quercetin-containing compositions"
- U.S. Application No. 13/272,508, filed 10/13/2011, entitled "Method for treating thrombotic disorders using quercetin-containing compositions"
- India, Application No. IN890MUN2014, filed 10/9/2012, entitled "Method for treating thrombotic disorders using quercetin-containing compositions"
- Europe, Application No. EP12840824, filed 10/9/2012, entitled "Method for treating thrombotic disorders using quercetin-containing compositions"

- Russia, Application No. RU2014118761, filed 10/9/2012, entitled “Method for treating thrombotic disorders using quercetin-containing compositions”
- China, Application No. CN201280050545, filed 10/9/2012, entitled “Method for treating thrombotic disorders using quercetin-containing compositions”
- PCT/US2009/049902, filed 7/8/2009, entitled “Improving renal function with quercetin-containing compositions”
- Canada, Application No. CA2730065, filed 7/8/2009, entitled “Improving renal function with quercetin-containing compositions”
- Australia, Application No. AU2009268637, filed 7/8/2009, entitled “Improving renal function with quercetin-containing compositions”
- U.S. Application No. 12/169,869, filed 7/9/2008, entitled “Improving renal function with quercetin-containing compositions”
- Europe, Application No. EP09795103, filed 7/8/2009, entitled “Improving renal function with quercetin-containing compositions”
- China, Application No. CN200980126978, filed 7/8/2009, entitled “Improving renal function with quercetin-containing compositions”
- New Zealand, Application No. NZ59076209, filed 7/8/2009, entitled “Improving renal function with quercetin-containing compositions”
- U.S. Application No. 14/224,686, filed 3/25/2014, entitled “Improving renal function with quercetin-containing compositions”
- Spain, Application No. ES09795103T, filed 7/8/2009, entitled “Improving renal function with quercetin-containing compositions”

Exhibit F- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by Quercegen Holdings, LLC, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

- PCT/US2003/33821, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Australia, Application No. AU2010202435, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Canada, Application No. CA2503373, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Australia, Application No. AU2003284919, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Germany, Application No. DE60336336, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- South Korea, Application No. KR20057007029, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Europe, Application No. EP03779239, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Austria, Application No. AT03779239T, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Denmark, Application No. DK03779239T, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Portugal, Application No. PT03779239T, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Spain, Application No. ES03779239T, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Japan, Application No. JP2004547143, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- Japan, Application No. JP2011052092, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- China, Application No. CN200380102103, filed 10/23/2003, entitled "Composition for enhancing exercise ability"
- Taiwan, Application No. TW92129416, filed 10/22/2003, entitled "Composition for enhancing physical performance"
- New Zealand, Application No. NZ540165, entitled "Composition for enhancing physical performance comprising quercetin, ascorbic acid and niacin"
- PCT/US2003/32552, filed 10/14/2003, entitled "Antioxidative Compositions"
- Europe, Application No. EP03774827, filed 10/14/2003, entitled "Antioxidative Compositions"

- Portugal, Application No. PT03774827T, filed 10/14/2003, entitled "Antioxidative Compositions"
- Denmark, Application No. DK03774827T, filed 10/14/2003, entitled "Antioxidative Compositions"
- Spain, Application No. ES03774827T, filed 10/14/2003, entitled "Antioxidative Compositions"
- Austria, Application No. AT03774827T, filed 10/14/2003, entitled "Antioxidative Compositions"
- Australia, Application No. AU2003282829, filed 10/14/2003, entitled "Antioxidative Compositions"
- Germany, Application No. DE60325265, filed 10/14/2003, entitled "Antioxidative Compositions"
- Hong Kong, Application No. HK06106781, filed 10/14/2003, entitled "Antioxidative Compositions"
- Korea, Application No. KR20057007030, filed 10/14/2003, entitled "Antioxidative Compositions"
- China, Application No. CN200380102104, filed 10/14/2003, entitled "Antioxidative Compositions"
- Canada, Application No. CA2503363, filed 10/14/2003, entitled "Antioxidative Compositions"
- Taiwan, Application No. TW92129007, filed 10/19/2003, entitled "Dietary Supplement"
- Japan, Application No. JP2004546861, filed 10/14/2003, entitled "Antioxidative Compositions"

Exhibit G- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by New Sun Nutrition, LLC, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

Exhibit H- Patent Property

All inventions, know-how, proprietary information, confidential information and any invention disclosures, patent applications and patents owned by The FRS Company, whether existing under the laws of the United States or any other jurisdiction, including the patent applications and patents listed below and any and all continuations, divisions and renewals thereof and substitutes therefor and any foreign equivalents or counterparts thereof, and to and under any and all additional letters patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissues or extensions thereof.

- U.S. Provisional Application No. 60/420,986, filed 10/23/2002, entitled "Antioxidative compositions"
- U.S. Application No. 10/302,544, filed 11/22/2002, entitled "Antioxidative compositions"
- U.S. Application No. 10/692,178, filed 10/23/2003, entitled "Composition for enhancing physical performance"
- U.S. Application No. 10/935,586, filed 9/7/2004, entitled "Antioxidative compositions"
- U.S. Application No. 11/124,433, filed 5/6/2005, entitled "Antioxidative compositions"
- U.S. Application No. 11/675,576, filed 2/15/2007, entitled "Composition for enhancing physical performance"
- U.S. Application No. 12/901,991, filed 10/11/2010, entitled "Composition for enhancing physical performance"
- U.S. Application No. 13/679,704, filed 11/16/2012, entitled "Composition for enhancing physical performance"