

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT7226899

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BANNER LIFE SCIENCES LLC	05/14/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PATHEON SOFTGELS INC.
<b>Street Address:</b>	4125 PREMIER DRIVE
<b>City:</b>	HIGH POINT
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27265
<b>PROPERTY NUMBERS Total: 4</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15591512
Application Number:	15817471
Application Number:	16012961
Application Number:	17374564
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)222-0818
<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>	3122220800
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<b>Correspondent Name:</b>	BERNARD A. BROWN II, PH.D.
<b>Address Line 1:</b>	444 W. LAKE STREET, SUITE 3200
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	215336-9003-US08
<b>NAME OF SUBMITTER:</b>	HIMANSHU THAKUR
<b>SIGNATURE:</b>	/Himanshu Thakur/
<b>DATE SIGNED:</b>	03/16/2022
<b>Total Attachments: 38</b>	
source=BLS_PSI_world_wide_assignment_FINAL_executed_recorded_14-MAY-2017#page1.tif	
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source=BLS_PSI_world_wide_assignment_FINAL_executed_recorded_14-MAY-2017#page3.tif	



## WORLDWIDE ASSIGNMENT OF INVENTIONS

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of one hundred U.S. dollars (\$100.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNOR: Banner Life Sciences LLC, having its primary place of business at 4125 Premier Drive, High Point, North Carolina, 27265, United States of America, a Limited Liability Company organized under the laws of the State of Delaware, United States of America, and its successors, assigns, and legal representatives

hereby sell(s), assign(s) and transfer(s) to:

ASSIGNEE: Patheon Softgels Inc., having its primary place of business at 4125 Premier Drive, High Point, North Carolina, 27265, United States of America, a Corporation organized under the laws of the State of Delaware, United States of America, and its successors, assigns, and legal representatives,

the entire right, title and interest in and to, including the right to claim priority from, the invention(s) disclosed in the patent(s) and application(s) listed in SCHEDULE A-1, attached hereto,

and in and to all Letters Patent(s) and equivalents thereof having been or to be obtained for said invention in all countries by the application(s) or any continuation, continuation-in-part, division, renewal, substitute, or equivalent thereof, as well as to any reissue, reexamination, patent term restoration, or equivalent thereto.

The effective date of this assignment is the 14<sup>th</sup> day of May, two thousand seventeen (14-MAY-2017).

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment, and that ASSIGNEE will, upon ASSIGNEE's request, be provided promptly with all pertinent facts and documents relating to said invention(s), applications, and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR, and ASSIGNOR will testify as to the same in any interference, litigation, or other proceeding related thereto, and will promptly execute and deliver to ASSIGNEE or its legal representative(s) any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and enforce said application(s), said invention(s), said Letters Patent(s), and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have hereunto respectively set hand(s) and seal(s) on the date(s) shown below:

**ASSIGNOR**

on behalf of **Banner Life Sciences LLC**  
**Claudia A. Garcia**

Assistant Secretary, Banner Life Sciences LLC

Signature: *Claudia Garcia*  
Date: June 22, 2017

**ASSIGNEE**

on behalf of **Patheon Softgels Inc.**  
**Jason B. Conner**

Secretary, Patheon Softgels Inc.

Signature: *Jason B. Conner*  
Date: 23 JUNE 2017

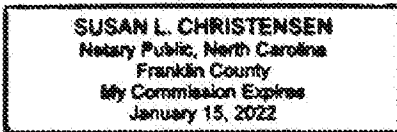
**ATTESTATION**

State: North Carolina  
County: Guilford

I, **Susan L. Christensen**, a Notary Public for Franklin County and said State, do hereby certify that **Claudia A. Garcia** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 22<sup>nd</sup> day of June 2017.

Official Seal



Signature: *Susan L. Christensen*  
Notary Public  
My commission expires: 1/15/2022

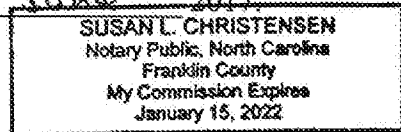
**ATTESTATION**

State: North Carolina  
County: Durham

I, **Susan L. Christensen**, a Notary Public for Franklin County and said State, do hereby certify that **Jason B. Conner** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 23<sup>rd</sup> day of June 2017.

Official Seal



Signature: *Susan L. Christensen*  
Notary Public  
My commission expires: 1/15/2022

**WITNESSED**

Signature: *Michelle Spedden*  
Name: Michelle Spedden  
Date: June 22, 2017  
Address: 4125 Premier Dr., High Point, NC 27265  
Signature: *Peter P. Pawble*  
Name: Peter P. Pawble  
Date: June 22, 2017  
Address: 4125 Premier Dr., High Point, NC 27265

**WITNESSED**

Signature: *Peter N. Efremenko*  
Name: PETER N. EFREMENKO  
Date: 23 JUNE 2017  
Address: 4815 EMPEROR BLVD., DURHAM, NC 27703  
Signature: *Manda Miller*  
Name: Manda Miller  
Date: June 23, 2017  
Address: 4815 Emperor Blvd. Durham, NC 27703

**SCHEDULE A-I. PATENTS AND PATENT APPLICATIONS**  
**A. PLATFORM PROPERTIES**  
**1. SHELL TECHNOLOGIES**

**SPREADER BOX AND MULTI-LAYERED SOFTGEL (Expires 7/15/2018)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
USA	MULTIPLE LAYER SOFTGEL	09/318,709	5/26/1999	6,183,845 B1	2/6/2001	Granted
USA	MULTIPLE LAYER SOFTGEL	10/358,830	2/5/2003	RE39,347	10/17/2006	Granted
USA	MULTIPLE, ADJUSTABLE GATE GELATIN SPREADER BOX AND MULTIPLE LAYER SOFTGEL	08/967,969	11/12/1997	Abandoned		Abandoned
Canada	MULTIPLE, ADJUSTABLE GATE GELATIN SPREADER BOX AND MULTIPLE LAYER SOFTGEL	2243227	7/15/1998	2243227	7/15/1998	Lapsed
Netherlands	MULTIPLE, ADJUSTABLE GATE GELATIN SPREADER BOX AND MULTIPLE LAYER SOFTGEL	1009107	5/8/1998	1009107	6/15/1999	Granted
India	MULTIPLE, ADJUSTABLE GATE GELATIN SPREADER BOX AND MULTIPLE LAYER SOFTGEL	1026/DEL/1998	4/21/1998	Abandoned		Abandoned
Mexico	MULTIPLE, ADJUSTABLE GATE GELATIN SPREADER BOX AND MULTIPLE LAYER SOFTGEL	985177	6/25/1998	Abandoned		Abandoned

**NON-GELATIN SOFT CAPSULES (Expires 8/25/2018)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
USA	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	09/140,758	8/25/1998	6,214,376	4/10/2001	Granted
International	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	99/19,570	8/24/1999	Expired		Expired
Canada	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	2341024	8/24/1999	2341024	4/3/2007	Granted
Mexico	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	PA/a/2001/001691	8/24/1999	258409	7/3/2008	Granted
Germany	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	99946656.8	8/24/1999	1 105 108	1/3/2007	Lapsed
Europe	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	99946656.8	8/24/1999	1 105 108	1/3/2007	Lapsed
France	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	99946656.8	8/24/1999	1 105 108	1/3/2007	Lapsed
Great Britain	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	99946656.8	8/24/1999	1 105 108	1/3/2007	Lapsed
Italy	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	68799BE/2007	8/24/1999	1 105 108	1/3/2007	Lapsed
Netherlands	NON-GELATIN SUBSTITUTES FOR ORAL DELIVERY CAPSULES, THEIR COMPOSITION AND PROCESS OF MANUFACTURE	99946656.8	8/24/1999	1 105 108	1/3/2007	Lapsed

**GUM ACACIA SOFT GELS (Expires 3/1/2019)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	GUM ACACIA - SUBSTITUTED SOFT GELATIN CAPSULES	09/259,708	3/1/1999	6,193,999 B1	2/27/2001	Granted

**SOFTLET (Expires 11/19/2019)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	ENROBED TABLET	08/391,486	2/21/1995	6482516	11/19/2002	Granted

**COLORED SOFTGELS (Expires 10/24/2020)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	COLORED GELATIN-BASED FORMULATIONS AND METHOD	09/695,537	10/24/2000	6,685,961	2/3/2004	Granted
International	COLORED GELATIN-BASED FORMULATIONS AND METHOD	PCT/US2001/050714	5/24/2002	Expired		Expired
Australia	COLORED GELATIN-BASED FORMULATIONS AND METHOD	2002232899	10/24/2001	Abandoned		Abandoned
Canada	COLORED GELATIN-BASED FORMULATIONS AND METHOD	2426786	10/24/2001	2426786	8/10/2010	Granted
Europe	COLORED GELATIN-BASED FORMULATIONS AND METHOD	1988580.5	10/24/2001	Abandoned		Abandoned
India	COLORED GELATIN-BASED FORMULATIONS AND METHOD	00653/DEL/NP/2003	4/29/2003	Abandoned		Abandoned
Mexico	COLORED GELATIN-BASED FORMULATIONS AND METHOD	PA/a/2003/003587	4/23/2003	245595	5/4/2007	Granted

**ECOCAPS® CARRAGEENAN SOFTGELS (Expires 1/18/2022)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
Australia	NON-GELATIN FILM AND METHOD AND APPARATUS FOR PRODUCING SAME	2003237365	8/6/2004	Lapsed		Lapsed
Canada	NON-GELATIN FILM AND METHOD AND APPARATUS FOR PRODUCING SAME	2530619	12/22/2005	2530619	12/20/2011	Granted
Europe	NON-GELATIN FILM AND METHOD AND APPARATUS FOR PRODUCING SAME	4755975.2	1/30/2006	Lapsed		Lapsed
Japan	NON-GELATIN FILM AND METHOD AND APPARATUS FOR PRODUCING SAME	2006-517591	6/23/2004	Lapsed		Lapsed
International	NON-GELATIN FILM AND METHOD AND APPARATUS FOR PRODUCING SAME	PCT/US04/20187	2/28/2005	Expired		Expired
USA	NON-GELATIN FILM AND METHOD AND APPARATUS FOR PRODUCING SAME	10/610,306	6/30/2003	7887838	2/15/2011	Granted
USA	NON-GELATIN FILM AND METHOD AND APPARATUS FOR PRODUCING SAME	11/195,372	8/2/2005	Abandoned		Abandoned
Canada	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	2473312	1/15/2003	2473312	2/23/2010	Granted
China	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	3806246.1	9/17/2004	ZL 03806246.1	3/11/2009	Granted
Germany	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	3731918.3	1/15/2003	60331524.0-08	3/3/2010	Granted
Europe	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	3731918.3	1/15/2003	1 474 115	3/3/2010	Granted
India	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	2075/DELNP/2004	1/15/2003	Abandoned		Abandoned
Japan	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	JP2003-561578	1/15/2003	Abandoned		Abandoned



Mexico	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	PA/a/2004/0069 14	7/16/2004	Abandoned		Abandoned
International	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	PCT/US03/011 34	8/15/2003	Expired		Expired
USA	NON-GELATIN CAPSULE SHELL FORMULATION COMPRISING IOTA-CARRAGEENAN AND KAPPA-CARRAGEENAN	10/051,201	1/18/2002	6949256	9/27/2005	Granted

**CHEWELS (Expires 10/31/2023)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
USA	CHEWABLE SOFT CAPSULE	09/262,660	3/5/1999	6258380	7/10/2001	Granted
International	CHEWABLE SOFT CAPSULE	PCT/US2003/012983	10/31/2003			Expired
USA	CHEWABLE SOFT CAPSULE	10/512,318	10/22/2004	8097279	1/17/2012	Granted
USA	CHEWABLE SOFT CAPSULE	13/270,005	10/10/2011	8241665	8/14/2012	Granted
USA	CHEWABLE SOFT CAPSULE {LIQUISOFT}	14/316,831	6/27/2014	9072677	7/7/2015	Granted
USA	CHEWABLE SOFT CAPSULE {LIQUISOFT}	14/790,624	7/2/2015	Allowed		Allowed
USA	CHEWABLE SOFT CAPSULE	13/327,293	12/15/2011	8765174	7/1/2014	Granted
USA	CHEWABLE SOFT CAPSULE	15/590,369	5/9/2017	Pending		Pending
USA	CHEWABLE SOFT CAPSULE	13/491,670	6/8/2012	8414916	4/9/2013	Granted
China	CHEWABLE SOFT CAPSULE	3811824.6	4/24/2003	Abandoned		Abandoned
Germany	CHEWABLE SOFT CAPSULE	3724255.9	4/24/2003	60319355.2-08	2/27/2008	Granted
Europe	CHEWABLE SOFT CAPSULE	3724255.9	4/24/2003	1 496 873	2/27/2008	Granted
Spain	CHEWABLE SOFT CAPSULE	3724255.9	4/24/2003	1 496 873	2/27/2008	Granted
France	CHEWABLE SOFT CAPSULE	3724255.9	4/24/2003	1 496 873	2/27/2008	Granted
Great Britain	CHEWABLE SOFT CAPSULE	3724255.9	4/24/2003	1 496 873	2/27/2008	Granted
India	CHEWABLE SOFT CAPSULE	3277/DELNP/2004	4/24/2003	240622	5/19/2010	Granted
Italy	CHEWABLE SOFT CAPSULE	3724255.9	4/24/2003	69509BE/2008	2/27/2008	Granted
Japan	CHEWABLE SOFT CAPSULE	2003-587363	4/24/2003	4995407	5/18/2012	Granted
Netherlands	CHEWABLE SOFT CAPSULE	3724255.9	4/24/2003	1 496 873	2/27/2008	Granted
China	CHEWABLE SOFT CAPSULE	201210074852.60	3/21/2012	102600104	6/24/2015	Granted

**ENTERICARE (Methylmethacrylate) (Expires 6/27/2023) \*US 8685445 expires 11/14/2030 because of PTA**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
International	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	PCT/US2003/020579	6/27/2003	Expired		Expired
USA	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	10/529,984	3/31/2005	8685445*	4/1/2014	Granted
USA	ENTERIC SOFT CAPSULES	13/693,332	12/4/2012	9254270	2/9/2016	Granted
USA	ENTERIC SOFT CAPSULES	14/228,387	3/28/2014	9433585	9/6/2016	Pending
USA	ENTERIC SOFT CAPSULES	14/978,159	12/22/2015			Pending
Canada	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	2500663	6/27/2003	2500663	5/28/2013	Granted
China	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3823557.9	6/27/2003	Abandoned		Abandoned
AT	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
Belgium	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
BG	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
CH	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
CY	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
CZ	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
Germany	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	60346485.8	7/16/2014	Granted
DK	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
EE	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
Europe	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
Europe	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	14170492.4	5/29/2014	2 772 250	9/28/2016	Granted
ES	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
FI	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted

France	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
Great Britain	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
GR	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	3083994	7/16/2014	Granted
HU	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
IE	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
Italy	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
LU	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
MC	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
Netherlands	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
PT	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
RO	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
SE	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
SI	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
SK	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
TR	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	3742336.5	6/27/2003	1545475	7/16/2014	Granted
India	ENTERIC COMPOSITION FOR THE MANUFACTURE OF SOFT CAPSULE WALL	877/DELNP/2005	6/27/2003	Abandoned		Abandoned
Japan	ENTERIC PREPARATIONS	JP2004-541451	6/27/2003	5248739	4/19/2013	Granted
Mexico	ENTERIC PREPARATIONS	PA/a/2005/003524	6/27/2003	2005-003524	8/3/2009	Granted

**ENTERICARE (Pectin) (Expires 12/18/2026)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
International	GASTRIX REFLUX RESISTANT DOSAGE FORMS	PCT/US2006/048029	12/18/2006	Expired		Expired
USA	GASTRIX REFLUX RESISTANT DOSAGE FORMS	11/316,830	12/22/2005	Abandoned		Abandoned
Canada	GASTRIX REFLUX RESISTANT DOSAGE FORMS	2,633,924	12/18/2006	2,633,924	11/19/2013	Granted
Japan	GASTRIX REFLUX RESISTANT DOSAGE FORMS	2008-547361	12/18/2006	5627854	11/19/2014	Granted
Mexico	GASTRIC REFLUX RESISTANT DOSAGE FORMS	MX/a/2008/007874	12/18/2006	329407		Granted
Europe	GASTRIC REFLUX RESISTANT DOSAGE FORMS	06845613.6	12/18/2006	1973533	7/29/2015	Granted
Germany	GASTRIX REFLUX RESISTANT DOSAGE FORMS	06845613.6	12/18/2006	1973533	7/29/2015	Granted
ES	GASTRIX REFLUX RESISTANT DOSAGE FORMS	06845613.6	12/18/2006	1973533	7/29/2015	Granted
France	GASTRIX REFLUX RESISTANT DOSAGE FORMS	06845613.6	12/18/2006	1973533	7/29/2015	Granted
Great Britain	GASTRIX REFLUX RESISTANT DOSAGE FORMS	06845613.6	12/18/2006	1973533	7/29/2015	Granted
Italy	GASTRIX REFLUX RESISTANT DOSAGE FORMS	06845613.6	12/18/2006	1973533	7/29/2015	Granted
Netherlands	GASTRIX REFLUX RESISTANT DOSAGE FORMS	06845613.6	12/18/2006	1973533	7/29/2015	Granted
Canada	GASTRIC REFLUX RESISTANT DOSAGE FORMS	2,798,511	12/18/2006	2,798,511	4/14/2015	Granted
Japan	GASTRIX REFLUX RESISTANT DOSAGE FORMS	2013-119371	12/18/2006	Abandoned		Abandoned
Europe	GASTRIC REFLUX RESISTANT DOSAGE FORMS	14150121.3	12/18/2006	2716283	4/16/2015	Granted
Germany	GASTRIC REFLUX RESISTANT DOSAGE FORMS	14150121.3	12/18/2006	2716283	4/16/2015	Granted
Spain	GASTRIC REFLUX RESISTANT DOSAGE FORMS	14150121.3	12/18/2006	2716283	4/16/2015	Granted
France	GASTRIX REFLUX RESISTANT DOSAGE FORMS	14150121.3	12/18/2006	2716283	4/16/2015	Granted
Great Britain	GASTRIC REFLUX RESISTANT DOSAGE FORMS	14150121.3	12/18/2006	2716283	4/16/2015	Granted

Italy	GASTRIC REFLUX RESISTANT DOSAGE FORMS	14150121.3	12/18/2006	2716283	4/16/2015	Granted
Netherlands	GASTRIX REFLUX RESISTANT DOSAGE FORMS	14150121.3	12/18/2006	2716283	4/16/2015	Granted
Europe	GASTRIX REFLUX RESISTANT DOSAGE FORMS	15163491.2	12/18/2006	Pending		Pending
USA	GASTRIC REFLUX RESISTANT DOSAGE FORMS	14/078,156	11/12/2013	8,962,005	2/24/2015	Granted
USA	GASTRIC REFLUX RESISTANT DOSAGE FORMS	14/507,327	10/6/2014	9,192,582	11/24/2015	Granted
USA	GASTRIX REFLUX RESISTANT DOSAGE FORMS	12/716,593	3/3/2010	9,693,966	7/4/2017	Pending
USA	GASTRIX REFLUX RESISTANT DOSAGE FORMS	15/602,700	5/23/2017	Pending		Pending

**ENTERICARE (methylmethacrylate) 2.0 (Will expire 6/19/2035 upon grant)**

ENTERICARE 2.0						
JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	ENTERIC SOFT CAPSULE COMPOSITIONS	62/015,063	6/20/2014			Expired
International	ENTERIC SOFT CAPSULE COMPOSITIONS	PCT/US2015/036539	6/19/2015	Expired		Expired
USA	ENTERIC SOFT CAPSULE COMPOSITIONS	14/744,057	6/19/2015	Allowed		Allowed LICENSED TO BIONPHARMA
Canada	ENTERIC SOFT CAPSULE COMPOSITIONS	2 950 203	6/19/2015	Pending		Pending LICENSED TO BIONPHARMA

**PECTIN ENTERICARE 2.0 / FISH OIL (Will expire 6/22/2035 upon grant)**

PECTIN ENTERICARE 2.0 / FISH OIL						
JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	ALL-NATURAL ENTERIC SOFT CAPSULES COMPRISING ACTIVE INGREDIENTS	61/793,142	3/15/2013	Expired		Expired
USA	ALL-NATURAL ENTERIC SOFT CAPSULES HAVING TYPE-A-GELATIN	62/015,818	6/23/2014	Expired		Expired
USA	ALL-NATURAL ENTERIC SOFT CAPSULES HAVING TYPE-A-GELATIN	62/065,791	10/20/2014	Expired		Expired
USA	ALL-NATURAL ENTERIC SOFT CAPSULES COMPRISING ACTIVE INGREDIENTS	14/745,485	6/22/2015	Abandoned		Abandoned
International	ALL-NATURAL ENTERIC SOFT CAPSULES COMPRISING ACTIVE INGREDIENTS	PCT/US2015/036853	6/22/2015	Expired		Expired LICENSED TO BIONPHARMA
Canada	ALL-NATURAL ENTERIC SOFT CAPSULES COMPRISING ACTIVE INGREDIENTS	2 950 311	6/22/2015	Pending		Pending LICENSED TO BIONPHARMA
USA	ALL-NATURAL ENTERIC SOFT CAPSULES	15/404,368	1/12/2017	Pending		Pending LICENSED TO BIONPHARMA

**LIQUISOFT (Will expire 3/25/2036 upon grant)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	LIQUISOFT CAPSULES	62/138,468	3/26/2015	Expired		Expired
USA	LIQUISOFT CAPSULES	62/236,297	10/2/2015	Expired		Expired
USA	LIQUISOFT CAPSULES	15/080,614	3/25/2016	Pending		Pending
International	LIQUISOFT CAPSULES	PCT/US2016/24127	3/25/2016	Pending		Pending

**CARRAGEENAN ENTERIC CAPSULES (Will expire 3/14/2034 upon grant)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	PHARMACEUTICAL COMPOSITION	61/792,521	3/15/2013	Expired		Expired
International	NON-GELATIN ENTERIC SOFT CAPSULES	PCT/US2014/026947	3/14/2014	Expired		Expired
Australia	NON-GELATIN ENTERIC SOFT CAPSULES	2014240171	8/17/2015	Pending		Pending
Canada	NON-GELATIN ENTERIC SOFT CAPSULES	2905367	3/14/2014	Abandoned		Abandoned
China	NON-GELATIN ENTERIC SOFT CAPSULES	201480014649.70	3/14/2014			Pending
Europe	NON-GELATIN ENTERIC SOFT CAPSULES	140768066	3/14/2014	Abandoned		Abandoned
India	NON-GELATIN ENTERIC SOFT CAPSULES	8194/DELNP/2015	3/14/2014	Pending		Pending
Japan	NON-GELATIN ENTERIC SOFT CAPSULES	2016-502288	3/14/2014	Pending		Pending
Mexico	NON-GELATIN ENTERIC SOFT CAPSULES	MX/a/2015/011163	3/14/2014	Pending		Pending
USA (PCT)	NON-GELATIN ENTERIC SOFT CAPSULES	14/776,309	3/14/2014	Pending		Pending



**GELPOD / FISH OIL (Will expire 4/12/2033 upon grant)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
USA	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	61/623,737	4/13/2012	Expired		Expired
International	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	PCT/US2013/036396	4/12/2013	Expired		Expired
USA	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	13/862,199	4/12/2013	Pending		Pending Licensed to BIONPHARMA
USA	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	14/711,835	5/14/2015	Abandoned		Abandoned
Canada	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	2868326	9/22/2014	Pending		Pending Licensed to BIONPHARMA
China	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	201380019629. 40	10/13/2014	Abandoned		Abandoned
Europe	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	13719332.2	11/11/2014	Abandoned		Abandoned
Japan	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	2015-505947	10/10/2014	Abandoned		Abandoned
Mexico	SOFT ELASTIC CAPSULES CONTAINING TABLETS AND LIQUID OR SEMISOLID FILLS AND METHODS FOR THEIR MANUFACTURE	MX/a/2014/001 1139	9/17/2014	Abandoned		Abandoned

**SILK SOFT CAPSULES (Will expire 3/14/2034 upon grant)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	SILK-BASED CAPSULES	61/790,890	3/15/2013	Expired		Expired
International	SILK-BASED CAPSULES	PCT/US2014/026946	3/14/2014	Expired		Expired
USA (PCT)	SILK-BASED CAPSULES	14/776,325	9/14/2015	Pending		Pending Licensed to BIONPHARMA
Australia	SILK-BASED CAPSULES	2014240170	8/17/2015	Pending		Pending
Canada	SILK-BASED CAPSULES	2905365	3/14/2014	Pending		Pending Licensed to BIONPHARMA
China	SILK-BASED CAPSULES	201480014654.80	3/14/2014	Pending		Pending
Europe	SILK-BASED CAPSULES	140767922	3/14/2014	Abandoned		Abandoned
India	SILK-BASED CAPSULES	8195/DELNP/2015	3/14/2014	Pending		Pending
Japan	SILK-BASED CAPSULES	2016-502287	3/14/2014	Pending		Pending
Mexico	SILK-BASED CAPSULES	MX/a/2015/011455	3/14/2014	Pending		Pending

**COMPOSITIONS FOR COLONIC DELIVERY OF DRUGS (Will expire 4/6/2036 upon grant)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	COMPOSITIONS FOR COLONIC DELIVERY OF DRUGS	62/143,426	4/6/2015	Expired		Expired
USA	COMPOSITIONS FOR COLONIC DELIVERY OF DRUGS	15/090,628	4/5/2015	Pending		Pending

**2. FILL TECHNOLOGIES**

**VERSATROL (Expires 7/13/2023)**

VERSATROL							
JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS	
USA	CONTROLLED RELEASE PREPARATION	60/487,968	7/17/2003	Expired		Expired	
Australia	CONTROLLED RELEASE PREPARATION	2004258894	2/13/2006	2004258894	10/4/2010	Granted	
Australia	CONTROLLED RELEASE PREPARATION	2010212463	2/13/2006				
Canada	CONTROLLED RELEASE PREPARATION	2533013	1/16/2006	2533013	7/26/2011	Granted	
China	CONTROLLED RELEASE PREPARATION	200480020690.10	2/16/2005	ZL200480020690	12/22/2010	Granted	
China	CONTROLLED RELEASE PREPARATION	201010559247.90	11/25/2010	201010559247.90	6/4/2014	Granted	
Europe	CONTROLLED RELEASE PREPARATION	4778128.1	2/15/2006	Abandoned		Abandoned	
Europe	CONTROLLED RELEASE PREPARATION	10075739.2	11/17/2010	2 279 729	8/17/2016	Granted	
India	CONTROLLED RELEASE PREPARATION	62/DELNP/2006	1/3/2006	235026	6/24/2009	Granted	
India	CONTROLLED RELEASE PREPARATION	2727/DELNP/2009	4/24/2009	Pending		Pending	
Japan	CONTROLLED RELEASE PREPARATION	2006-520275	1/16/2006	5296314	6/21/2013	Granted	
Mexico	CONTROLLED RELEASE PREPARATION	PA/a/2006/000100	1/5/2006	283101	1/19/2011	Granted	
International	CONTROLLED RELEASE PREPARATION	PCT/US2004/022456	2/16/2005	Expired		Expired	
USA	CONTROLLED RELEASE PREPARATION	11/275,563	1/17/2006	Abandoned		Abandoned	
USA	CONTROLLED RELEASE PREPARATION	14/460,747	8/15/2014	Pending		Pending	

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	60/730,406	10/26/2005	Expired		Expired
International	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	PCT/US2006/04 2177	10/26/2006	Expired		Expired
USA	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	11/553,356	10/26/2006	8,333,989	12/18/2012	Granted
Canada	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	2,627,292	10/26/2006	2,627,292	4/17/2012	Granted
China	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	200680045727.5	10/26/2006	ZL200680045727.5	4/17/2013	Granted
Europe	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	06826983.6	10/26/2006	Abandoned		Abandoned
Japan	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	2008-538048	10/26/2006	5406530	11/8/2013	Granted
Mexico	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	MX/a/2008/0054 74	10/26/2006	311280	7/9/2013	Granted
Japan	HYDROPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	2013-133677	10/26/2006	Abandoned		Abandoned
USA	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	60/730,514	10/26/2005	Expired		Expired
International	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	PCT/US2006/04 1722	10/26/2006	Expired		Expired
USA	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	11/553,349	10/30/2006	8,293,270	10/23/2012	Granted
Japan	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	2013-133882	10/26/2006	Abandoned		Abandoned
Canada	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	2,627,351	10/26/2006	2,627,351	5/1/2012	Granted
China	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	200680045615.X	10/26/2006	ZL 200680045615.X	7/3/2013	Granted
Europe	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	06826700.4	10/26/2006	Abandoned		Abandoned
Japan	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	2008-537930	10/26/2006	5406529	11/8/2013	Granted
Mexico	LIPOPHILIC VEHICLE-BASED DUAL CONTROLLED RELEASE MATRIX SYSTEM	MX/a/2008/0054 70	10/26/2006	311282	7/9/2013	Granted

**SOLVATROL (Naproxen Sodium) (Expires 3/6/2026)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
USA	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	60/659,679	3/8/2005	Expired		Expired
International	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	PCT/US2006/007788	3/6/2006	Expired		Expired
USA	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	11/367,238	3/3/2006	Abandoned		Abandoned Licensed to BIONPHARMA
Canada	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	2,600,023	3/6/2006	2,600,023	11/1/2011	Granted Licensed to BIONPHARMA
China	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	200680014012.3	3/6/2006	ZL200680014012.3	1/9/2013	Granted
Europe	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	06737018.9	3/6/2006	EP1863458	11/18/2015	Granted
Europe	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	EP20160163757	4/4/2016	EP3061447 A1 (Publication)		Pending
Mexico	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	MX/a/2007/011039	3/6/2006	329049	3/15/2015	Granted
China	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	201210499255	3/6/2006	CN102940887	12/23/2015	Granted
USA	SOLVENT SYSTEM FOR ENHANCING THE SOLUBILITY OF PHARMACEUTICAL AGENTS	14/977,808	12/22/2015	9,693,978	7/4/2017	Granted Licensed to BIONPHARMA
USA	LIQUID DOSAGE FORMS OF SODIUM NAPROXEN	15/159,972	5/20/2016	9,693,979	7/4/2017	Granted Licensed to BIONPHARMA
USA	LIQUID DOSAGE FORMS OF SODIUM NAPROXEN	15/591,512	5/10/2017	Pending		Pending Licensed to BIONPHARMA

**B. PRODUCT-SPECIFIC PROPERTIES**

**VALPROIC ACID / ENTERICARE (Expires 10/11/2026)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	ENTERIC VALPROIC ACID	11/548,607	10/11/2006	Abandoned		Abandoned
USA	ENTERIC VALPROIC ACID	11/247,389	10/11/2005	Abandoned		Abandoned
International	ENTERIC VALPROIC ACID	PCT/US2006/039045	10/11/2006	Expired		Expired
Canada	ENTERIC SOFT CAPSULE COMPRISING VALPROIC ACID	2,625,554	10/11/2006	2,625,554	8/9/2011	Granted
Europe	ENTERIC SOFT CAPSULE COMPRISING VALPROIC ACID	06816361.7	10/11/2006	Abandoned		Abandoned
Mexico	ENTERIC SOFT CAPSULE COMPRISING VALPROIC ACID	MX/a/2008/004774	10/11/2006	283909	2/10/2011	Granted

**ENHANCED RELEASE OF WATER INSOLUBLE ACTIVE AGENTS (Fenofibrate or ciltostazol) (Expires 12/15/2029)**

<b>JURISDICT.</b>	<b>TITLE</b>	<b>APP. NO.</b>	<b>FILING DATE</b>	<b>PATENT NO.</b>	<b>ISSUE DATE</b>	<b>STATUS</b>
USA	METHODS FOR ENHANCING THE IN VITRO RELEASE ETC	61/122,497	12/15/2008	Expired		Expired
International	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	PCT/US2009/068017	12/15/2009	Expired		Expired
USA	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	12/638,212	12/15/2009	8,524,280	9/3/2013	Granted
USA	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	13/956,571	8/1/2013	8,920,844	12/30/2014	Granted
USA	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	14/559,619	12/3/2014	9,566,274	2/14/2017	Granted
Canada	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	2,746,887	12/15/2009	2,746,887	7/5/2016	Granted
China	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	200980156203.7	12/15/2009	Lapsed		Lapsed
Europe	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	09775053.3	12/15/2009	Abandoned		Abandoned
Japan	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	2011-540967	12/15/2009	5723287		Granted
Mexico	METHODS FOR ENHANCING THE RELEASE AND ABSORPTION OF WATER INSOLUBLE ACTIVE AGENTS	MX/a/2011-006307	12/15/2009	317377	1/22/2014	Granted

**PROGESTERONE WITH ENHANCED BIOAVAILABILITY (Progesterone 2.0)** (Expires 4/1/2030 +867 d PTA: 8/15/2032)

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	PROGESTERONE SOLUTIONS FOR INCREASED BIOAVAILABILITY	61/166,866	4/6/2009	Expired		Expired
International	PROGESTERONE SOLUTIONS FOR INCREASED BIOAVAILABILITY	PCT/US2010/029625	4/1/2010	Expired		Expired
USA	PROGESTERONE SOLUTIONS FOR INCREASED BIOAVAILABILITY	12/752,629	4/1/2010	9,011,908	4/21/2015	Granted

**COMPOSITIONS FOR POORLY SOLUBLE ACTIVE INGREDIENTS (Fexofenadine)** (Expires 10/20/2034)

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	PHARMACEUTICAL COMPOSITIONS FOR POORLY SOLUBLE ACTIVE INGREDIENTS	61/893,721	10/21/2013			Expired
USA	PHARMACEUTICAL COMPOSITIONS FOR POORLY SOLUBLE ACTIVE INGREDIENTS	14/518,188	10/20/2014	9,504,656	11/29/2016	Granted



**ENTERIC FISH OIL (Will expire 10/29/2034 upon grant)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	ENTERIC SOFT CAPSULES COMPRISING POLYUNSATURATED FATTY ACIDS	61/897,794	10/30/2013	Expired		Expired
USA	ENTERIC SOFT CAPSULES COMPRISING POLYUNSATURATED FATTY ACIDS	62/017,489	6/26/2014	Expired		Expired
International	ENTERIC SOFT CAPSULES COMPRISING POLYUNSATURATED FATTY ACIDS	PCT/US2014/062892	10/29/2014	Expired		Expired LICENSED TO BIONPHARMA
USA	ENTERIC SOFT CAPSULES COMPRISING POLYUNSATURATED FATTY ACIDS	14/527,201	10/29/2014	Pending		Pending LICENSED TO BIONPHARMA
Canada	ENTERIC SOFT CAPSULES COMPRISING POLYUNSATURATED FATTY ACIDS	2 926 335	10/29/2014	Pending		Pending LICENSED TO BIONPHARMA
Europe	ENTERIC SOFT CAPSULES COMPRISING POLYUNSATURATED FATTY ACIDS	14859007.8	5/9/2016	Pending		Pending
Mexico	ENTERIC SOFT CAPSULES COMPRISING POLYUNSATURATED FATTY ACIDS	MX/a/2016/004487	4/7/2016	Pending		Pending
International	ENHANCED BIOAVAILABILITY OF POLYUNSATURATED FATTY ACIDS	PCT/US2015/037558	6/25/2015	Expired		Expired
USA	ENHANCED BIOAVAILABILITY OF POLYUNSATURATED FATTY ACIDS	14/749,671	6/25/2015	Pending		Pending LICENSED TO BIONPHARMA
Canada	ENHANCED BIOAVAILABILITY OF POLYUNSATURATED FATTY ACIDS	2 950 444	6/25/2015	Pending		Pending LICENSED TO BIONPHARMA

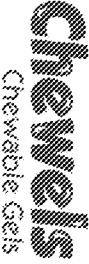
**LIQUID-FILLED IMMEDIATE RELEASE SOFT GELATIN CAPSULES (dabigatran) (Will expire 6/20/2035 upon grant)**

JURISDICT.	TITLE	APP. NO.	FILING DATE	PATENT NO.	ISSUE DATE	STATUS
USA	LIQUID-FILLED IMMEDIATE RELEASE SOFT GELATIN CAPSULES	62/014,714	6/20/2014	Expired		Expired
USA	LIQUID-FILLED IMMEDIATE RELEASE SOFT GELATIN CAPSULES	14/744,059	6/19/2015	Pending		Pending

**SCHEDULE A-2. TRADEMARKS AND TRADEMARK APPLICATIONS**

**A. REGISTERED TRADEMARKS**

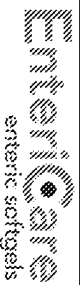
CHEWELS (Wordmark)									
TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.		
CHEWELS	Benlux	5	Registered	8/25/04	845 491	8/25/2004	845 491		
CHEWELS	Canada	5	Registered	7/13/07	1,355,598	7/29/2011	803,240		
CHEWELS	China	5	Registered	8/25/04	845 491	8/25/2004	845 491		
CHEWELS	France	5	Registered	8/25/04	845 491	8/25/2004	845 491		
CHEWELS	Germany	5	Registered	8/25/04	845 491	8/25/2004	845 491		
CHEWELS	Japan	5	Registered	8/25/04	845 491	8/25/2004	845 491		
CHEWELS	United Kingdom	5	Registered	8/25/04	845 491	8/25/2004	845 491		
CHEWELS	USA	5	Registered	2/27/04	78/375,134	1/19/2010	3741165		
CHEWELS	USA	5	Registered	10/24/12	85762143	6/18/2013	4353739		
CHEWELS	WIPO	5	Registered	8/25/04	845 491	8/25/2004	845 491		

									
TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.		
CHEWELS CHEWABLE GELS & Design	Mexico	5	Registered	2/20/07	837453	4/19/2007	980732		
CHEWELS CHEWABLE GELS & Design	USA	5	Pending	1/25/17	87312737				

ECOCAPS (Wordmark)							
TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
ECOCAPS	USA	5	Pending	4/23/12	85605111		

ECOCAPS & Design							
TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
ECOCAPS & Design	Mexico	5	Registered	8/17/07	837449	8/28/2008	1057040

ENTERICARE (Wordmark)							
TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
ENTERICARE	Benlux	5	Registered	8/25/04	839 994	8/25/2004	839 994
ENTERICARE	Canada	5	Registered	1/18/08	1,379,808	8/24/2010	775,348
ENTERICARE	China	5	Registered	8/25/04	839 994	8/25/2004	839 994
ENTERICARE	France	5	Registered	8/25/04	839 994	8/25/2004	839 994
ENTERICARE	Germany	5	Registered	8/25/04	839 994	8/25/2004	839 994
ENTERICARE	United Kingdom	5	Registered	8/25/04	839 994	8/25/2004	839 994
ENTERICARE	USA	5	Registered	2/27/04	78/375,185	7/22/2008	3,473,607
ENTERICARE	WIPO	5	Registered	8/25/04	839994	8/25/2004	839994



TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
ENTERICARE AND DESIGN	Mexico	5	Registered	8/17/07	837452	1/21/2008	1020055
ENTERICARE AND DESIGN	USA	5	Pending	1/25/17	87/313,153		





TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
SOFGELS AND DESIGN	USA	5	Registered	11/2/04	78/510,028	5/12/2009	3,620,876
SOFGELS AND DESIGN	Canada		Registered	11/18/04	1,237,612	9/15/2010	777,118
SOFGELS AND DESIGN	China	5	Registered	11/22/04	844 372	11/22/2004	844372
SOFGELS AND DESIGN	France	5	Registered	11/22/04	844 372	11/22/2004	844372
SOFGELS AND DESIGN	Germany	5	Registered	11/22/04	844 372	11/22/2004	844372
SOFGELS AND DESIGN	Japan	5	Registered	11/22/04	844372	11/22/2004	844372
SOFGELS AND DESIGN	Mexico	5	Registered	12/8/05	687970	12/8/2005	941159
SOFGELS AND DESIGN	United Kingdom	5	Registered	11/22/04	844 372	11/22/2004	844372
SOFGELS AND DESIGN	WIPO	5	Registered	11/22/04	844 372	11/22/2004	844372

SOFLET (Wordmark)							
TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
SOFLET	Australia	5, 42	Registered	3/14/00	827,558	3/14/2000	27,558
SOFLET	Canada	5, 42	Registered	3/27/00	1,052,519	3/2/2005	1,052,519
SOFLET	EU CTM	5, 42	Registered	3/28/00	1,578,236	5/28/2003	1,578,236
SOFLET	Mexico	42	Registered	2/29/00	413285	6/27/2000	661181
SOFLET	New Zealand	5	Registered	3/9/00	610,073	9/30/2006	610,073
SOFLET	New Zealand	42	Registered	3/9/00	610,074	9/27/2006	610,074
SOFLET	USA	5	Registered	9/30/99	75/812,358	9/10/2002	2,616,258
SOFLET	USA	42	Registered	9/27/99	75/808,721	10/8/2002	2,632,304



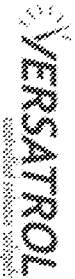
TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
SOFLET GELCAPS STYLIZED	Canada		Registered	9/7/01	1,115,065	10/13/2006	674,811
SOFLET GELCAPS STYLIZED	EU CTM	5, 42	Registered	9/5/01	002366698	1/2/2003	002366698
SOFLET GELCAPS STYLIZED	USA	5	Registered	3/9/01	78/052,284	7/26/2005	2,978,111

SOLVATROL (Wordmark)

TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
SOLVATROL	USA	5	Pending	7/3/12	85668102		





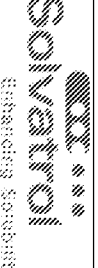
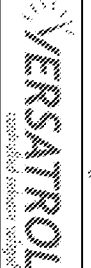
VERSATROL (Wordmark)

TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
VERSATROL	China	5	Registered	8/25/04	849005	8/25/2004	849005
VERSATROL	France	5	Registered	8/25/04	849005	8/25/2004	849005
VERSATROL	Germany	5	Registered	8/25/04	849005	8/25/2004	849005
VERSATROL	Japan	5	Registered	8/25/04	849005	8/25/2004	849005
VERSATROL	United Kingdom	5	Registered	8/25/04	849005	8/25/2004	849005
VERSATROL	USA	5	Registered	7/10/13	86006726	2/7/2017	5,137,833
VERSATROL	WIPO	5	Registered	8/25/04	849005	8/25/2004	849005



TRADEMARK	COUNTRY	CLS	STATUS	APPL. DATE	APPL. NO.	REG. DATE	REG. NO.
VERSATROL	USA	5	Pending	1/24/17	87/312,572		

**B. COMMON LAW TRADEMARKS**

TRADEMARK	STATE	IMAGE
CHEWELS	NC	 <p><b>Chewels</b> Chewable Gels</p>
ENTERICARE	NC	 <p><b>Entericare</b> enteric softgels</p>
LIQUISOFT	NC	 <p><b>Liquisoft</b> Chewable Liquid-filled Softgels</p>
SOFTLET	NC	 <p><b>Softlet</b> Chewable Softgels</p>
SOLVATROL	NC	 <p><b>Solvatrol</b> Enhancing Security</p>
VERSATROL	NC	 <p><b>VERSATROL</b> Versatrol</p>

**SCHEDULE A-3. REGULATORY FILINGS, DRUG MASTER FILES**

Banner Life Sciences Type IV Drug Master File No. 14194, titled "Gelatin Mass," originally filed on June 23, 1999, and updated from time to time, in its electronic Common Technical Document format (eCTD) is incorporated by reference herein in its entirety.

Canada Health Drug master File 2003-005 entitled "Gel Mass," originally filed in 2003, and updated from time to time in either paper form or electronically, is incorporated by reference herein in its entirety.