

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4524000

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
ADVANCED BIONUTRITION CORP.		05/01/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	INTERVET INC.	
<b>Street Address:</b>	2 GIRALDA FARMS	
<b>City:</b>	MADISON	
<b>State/Country:</b>	NEW JERSEY	
<b>Postal Code:</b>	07940	
<b>PROPERTY NUMBERS Total: 19</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	11449829	
Application Number:	10778175	
Application Number:	12489905	
Application Number:	10508156	
Application Number:	10534090	
Application Number:	14539194	
Application Number:	10530598	
Application Number:	14699421	
Application Number:	11587770	
Application Number:	11597826	
Application Number:	12409607	
Application Number:	13204745	
Application Number:	13466279	
Application Number:	14305406	
Application Number:	13260661	
Application Number:	15448077	
Application Number:	14205416	
Application Number:	15100764	
Application Number:	14817307	

**CORRESPONDENCE DATA****Fax Number:** (610)407-0701

*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.*

**Phone:** 610-407-0700**Email:** KSPINA@RATNERPRESTIA.COM**Correspondent Name:** STEPHEN D. HARPER, REG. NO. 33,243**Address Line 1:** 2200 RENAISSANCE BLVD.**Address Line 2:** SUITE 350**Address Line 4:** KING OF PRUSSIA, PENNSYLVANIA 19406

<b>ATTORNEY DOCKET NUMBER:</b>	ABN-00927
<b>NAME OF SUBMITTER:</b>	STEPHEN D. HARPER, REG. NO. 33,243
<b>SIGNATURE:</b>	/Stephen D. Harper/
<b>DATE SIGNED:</b>	07/27/2017

**Total Attachments: 7**

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## PATENT ASSIGNMENT

WHEREAS, **Advanced BioNutrition Corp.**, a Maryland corporation having a place of business at 7155 Columbia Gateway Drive, Suite H, Columbia, Maryland 21046 (hereinafter referred to as "ASSIGNOR"), owner of the entire rights, titles and interests in and to all of the patents and patent applications listed in Schedule A, as well as to all of the patents and patent applications they claim priority therefrom (all together hereinafter referred to as "PATENT RIGHTS") by way of assignment from the respective inventors, covenant that the rights and property herein being conveyed are free and clear of any encumbrance and that the ASSIGNOR has the full right to convey the same as herein expressed.

Whereas **Intervet Inc.**, a Delaware Corporation having a place of business at 2 Giralda Farms, Madison, New Jersey 07940, with respect to the United States, and **Intervet International BV**, a corporation organized under the laws of the Netherlands, having its principal office at Körverstraat 35, 5831 AN, Boxmeer, Netherlands, with respect to all other countries of the world, (hereinafter, each an ASSIGNEE with respect to the identified country(ies)) are desirous of obtaining the entire right, title, and interest in, to and under the inventions disclosed of the "PATENT RIGHTS".

AND WHEREAS, to confirm the assignment, ASSIGNOR has agreed to execute and deliver to ASSIGNEE this Patent Assignment;

NOW, THEREFORE, in consideration of the good and valuable consideration from ASSIGNEE (the receipt and sufficiency of which are hereby acknowledged) and intending to be legally bound, ASSIGNOR hereby confirms that it has assigned and conveyed to ASSIGNEE all of its right, title, and interest in the PATENT RIGHTS including all income, royalties, damages and payments now or hereafter due or payable with respect thereto, all divisions, continuations, re-examinations, reissues, renewals, and extensions thereof, all rights to claim priority based thereon, all Letters Patent and like industrial property registrations to be obtained therefor, including any and all patent rights and counterparts corresponding thereto throughout the world, and all causes of action (either in law or in equity) and the right to sue, counterclaim, and recover for past, present, and future infringement of the rights assigned under this Patent Assignment.

AND ASSIGNOR does hereby agree to perform all lawful acts and duties and to execute and deliver without further consideration such further lawful assignments, instruments, assurances, applications and other documents as may be reasonably required and requested by ASSIGNEE to obtain or maintain the PATENT RIGHTS in any and all countries.

AND ASSIGNOR does hereby authorize any official whose duty it is to grant patents or industrial property registrations, to grant patents based on the PATENT RIGHTS to the ASSIGNEE.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK. SIGNATURE PAGE FOLLOWS.]

IN WITNESS WHEREOF, Assignor has by its authorized signing officer executed this Patent Assignment, and Assignee has by its authorized officer accepted this Patent Assignment.

**ASSIGNOR**

**Advanced BioNutrition Corp.**

By: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

The foregoing instrument was acknowledged before me this \_\_\_\_ day of \_\_\_\_\_ 2017, by \_\_\_\_\_, the \_\_\_\_\_ of Advanced BioNutrition Corp., a Maryland corporation, on behalf of such corporation.

**ASSIGNMENT ACCEPTED:**

**ASSIGNEE**

**Intervet Inc.**

Signed: James F. M. [Signature] Date: \_\_\_\_\_

Title: AVP, Bus. Dev.

**Intervet International B.V.**

Signed: [Signature] Date: \_\_\_\_\_

Title: [Signature]

[Signature Page to Patent Assignment Agreement]

IN WITNESS WHEREOF, Assignor has by its authorized signing officer executed this Patent Assignment, and Assignee has by its authorized officer accepted this Patent Assignment.

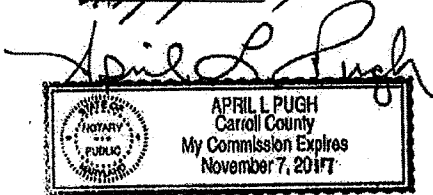
**ASSIGNOR**

**Advanced BioNutrition Corp.**

By: William F. Kirk

Date: May 1, 2017

Title: CEO



STATE OF Maryland )  
COUNTY OF Carroll )

The foregoing instrument was acknowledged before me this 01 day of May 2017, by William F. Kirk, the Chairman: CEO of Advanced BioNutrition Corp., a Maryland corporation, on behalf of such corporation.

**ASSIGNMENT ACCEPTED:**

**ASSIGNEE**

**Intervet Inc.**

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

**Intervet International B.V.**

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

[Signature Page to Patent Assignment Agreement]

**Schedule A – Patent Rights**  
**Assigned to Intervet Inc.**

<b>ABN Ref.</b>	<b>Country</b>	<b>Application No.</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Grant Date</b>
<b>11 DIV</b>	<b>United States</b>	<b>11/449,829</b>	<b>6/9/2006</b>	<b>8,198,067</b>	<b>6/12/2012</b>
<b>13</b>	<b>United States</b>	<b>10/778,175</b>	<b>2/17/2004</b>	<b>7,550,647</b>	<b>6/23/2009</b>
<b>13/34</b>	<b>United States</b>	<b>12/489,905</b>	<b>6/23/2009</b>	<b>7,932,056</b>	<b>4/26/2011</b>
<b>22</b>	<b>United States</b>	<b>10/508,156</b>	<b>8/10/2006</b>	<b>7,396,548</b>	<b>7/8/2008</b>
<b>29</b>	<b>United States</b>	<b>10/534,090</b>	<b>2/8/2006</b>	<b>-</b>	<b>-</b>
<b>32</b>	<b>United States</b>	<b>14/539,194</b>	<b>11/12/2014</b>	<b>-</b>	<b>-</b>
<b>35</b>	<b>United States</b>	<b>10/530,598</b>	<b>11/12/2005</b>	<b>9,072,311</b>	<b>7/7/2015</b>
<b>35CON</b>	<b>United States</b>	<b>14/699,421</b>	<b>4/29/2015</b>	<b>-</b>	<b>-</b>
<b>41</b>	<b>United States</b>	<b>11/587,770</b>	<b>6/5/2007</b>	<b>7,973,148</b>	<b>7/5/2011</b>
<b>42</b>	<b>United States</b>	<b>11/597,826</b>	<b>8/23/2007</b>	<b>-</b>	<b>-</b>
<b>81</b>	<b>United States</b>	<b>12/409,607</b>	<b>3/24/2009</b>	<b>7,998,502</b>	<b>8/16/2011</b>
<b>81CON</b>	<b>United States</b>	<b>13/204,745</b>	<b>8/8/2011</b>	<b>8,329,209</b>	<b>12/11/2012</b>
<b>81CIP</b>	<b>United States</b>	<b>13/466,279</b>	<b>5/8/2012</b>	<b>8,778,384</b>	<b>7/15/2014</b>
<b>81CIPCON</b>	<b>United States</b>	<b>14/305,406</b>	<b>6/16/2014</b>	<b>9,205,151</b>	<b>12/8/2015</b>
<b>87</b>	<b>United States</b>	<b>13/260,661</b>	<b>11/2/2011</b>	<b>9,623,094</b>	<b>4/18/2017</b>
	<b>United States</b>	<b>15/448,077</b>	<b>3/2/2017</b>	<b>-</b>	<b>-</b>
<b>150</b>	<b>United States</b>	<b>14/205,416</b>	<b>3/12/2014</b>	<b>-</b>	<b>-</b>
<b>152</b>	<b>United States</b>	<b>15/100,764</b>	<b>6/1/2016</b>	<b>-</b>	<b>-</b>
<b>155</b>	<b>United States</b>	<b>14/817,307</b>	<b>8/4/2015</b>	<b>-</b>	<b>-</b>

Assigned to Intervet International BV

ABN Ref.	Country	Application No.	Filing Date	Patent No.	Grant Date
12	Netherlands	02766118.0	8/27/2002	1429623	10/21/2009
13	Japan	2003/528,576	9/13/2002	4472336	6/2/2010
29	European Patent Convention	03789725.3	11/6/2003	1565167	6/22/2016
	United Kingdom	03789725.3	11/6/2003	1565167	6/22/2016
	Ireland	03789725.3	11/6/2003	1565167	6/22/2016
	Japan	2004/551747	11/6/2003	4463109	5/12/2010
	New Zealand	539900	11/6/2003	539900	7/10/2008
35	Canada	2529055	6/21/2004	2529055	10/15/2013
42	European Patent Convention	05780088.0	5/27/2005	-	-
81	Canada	2,659,917	3/24/2009	2,659,917	7/17/2012
	European Patent Convention	09156077.1	3/24/2009	-	-
	Canada	2,783,146	7/16/2012	-	-
	Chile	931-2008	3/31/2008	CL52452	2/26/2016
81CIP	Chile	01995-2012	7/18/2012	-	-
	European Patent Convention	12176879.0	7/18/2012	-	-
81 CIP CL CON	Chile	03104-2015	10/21/2015	-	-
82	Chile	01164-2009	5/13/2009	-	-
87	Canada	2,756,883	3/26/2010	-	-
	European Patent	10756894.1	3/26/2010	-	-

	<b>Convention</b>				
	<b>Chile</b>	<b>0759-2009</b>	<b>3/27/2009</b>	-	-
<b>150</b>	<b>European Patent Convention</b>	<b>14776545.7</b>	<b>3/7/2014</b>	-	-
	<b>New Zealand</b>	<b>629598</b>	<b>3/7/2014</b>	<b>629598</b>	<b>1/31/2017</b>
	<b>Argentina</b>	<b>P140100992</b>	<b>3/13/2014</b>	-	-
<b>152</b>	<b>Australia</b>	<b>2014357580</b>	<b>11/20/2014</b>	-	-
	<b>Brazil</b>	<b>BR112016012838-9</b>	<b>11/20/2014</b>	-	-
	<b>Belarus</b>	<b>A20160261</b>	<b>11/20/2014</b>	-	-
	<b>Canada</b>	<b>2,932,681</b>	<b>11/20/2014</b>	-	-
	<b>Chile</b>	<b>1375-16</b>	<b>11/20/2014</b>	-	-
	<b>China</b>	<b>201480073399.4</b>	<b>11/20/2014</b>	-	-
	<b>Columbia</b>	<b>To be assigned (PCT/US14/66510)</b>	<b>11/20/2014</b>	-	-
	<b>Denmark</b>	<b>PA201670506</b>	<b>11/20/2014</b>	-	-
	<b>Denmark</b>	<b>BA201600092</b>	<b>8/16/2016</b>		
	<b>Ecuador</b>	<b>IEPI-2016-58769</b>	<b>11/20/2014</b>	-	-
	<b>Egypt</b>	<b>930/2016</b>	<b>11/20/2014</b>	-	-
	<b>European Patent Convention</b>	<b>14868228.9</b>	<b>11/20/2014</b>	-	-
	<b>Indonesia</b>	<b>P00201604542</b>	<b>11/20/2014</b>	-	-
	<b>India</b>	<b>201617023216</b>	<b>11/20/2014</b>	-	-
	<b>Japan</b>	<b>2016-536783</b>	<b>11/20/2014</b>	-	-
	<b>South Korea</b>	<b>10-2016-7018181</b>	<b>11/20/2014</b>	-	-
	<b>Mexico</b>	<b>MX/a/2016/007356</b>	<b>11/20/2014</b>	-	-
	<b>Philippines</b>	<b>1-2016-501072</b>	<b>11/20/2014</b>	-	-



	<b>Russia</b>	<b>2016127263</b>	<b>11/20/2014</b>	-	-
	<b>Thailand</b>	<b>1601003296</b>	<b>11/20/2014</b>	-	-
	<b>Vietnam</b>	<b>1-2016-02489</b>	<b>11/20/2014</b>	-	-
	<b>South Africa</b>	<b>2016/04615</b>	<b>11/20/2014</b>	-	-
	<b>Taiwan</b>	<b>103142409</b>	<b>12/5/2014</b>	-	-
<b>155</b>	<b>Brazil</b>	<b>BR11207002301-6</b>	<b>8/4/2015</b>	-	-
	<b>Canada</b>	<b>2,957,368</b>	<b>8/4/2015</b>	-	-
	<b>Chile</b>	<b>N288-17</b>	<b>8/4/2015</b>	-	-
	<b>China</b>	<b>To be assigned (PCT/US15/43564)</b>	<b>8/4/2015</b>	-	-
	<b>Denmark</b>	<b>PA2017-70094</b>	<b>8/4/2015</b>	-	-
	<b>Ecuador</b>	<b>IEPI-2017-11630</b>	<b>8/4/2015</b>	-	-
	<b>European Patent Convention</b>	<b>15830310.7</b>	<b>8/4/2015</b>	-	-
	<b>Ghana</b>	<b>To be assigned (PCT/US15/43564)</b>	<b>8/4/2015</b>	-	-
	<b>Honduras</b>	<b>To be assigned (PCT/US15/43564)</b>	<b>8/4/2015</b>	-	-
	<b>Indonesia</b>	<b>P00201701268</b>	<b>8/4/2015</b>	-	-
	<b>Mexico</b>	<b>MX/a/2017/001619</b>	<b>8/4/2015</b>	-	-
	<b>Malaysia</b>	<b>PI2017000177</b>	<b>8/4/2015</b>	-	-
	<b>Thailand</b>	<b>1701000642</b>	<b>8/4/2015</b>	-	-
	<b>Vietnam</b>	<b>1-2017-00414</b>	<b>8/4/2015</b>	-	-