

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3672215

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CHANGE OF NAME
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AKER BIOMARINE AS	12/11/2014
<b>RECEIVING PARTY DATA</b>	
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<b>Property Type</b>	<b>Number</b>
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<b>ATTORNEY DOCKET NUMBER:</b>	AKBM-30951/US-4/DIV
<b>NAME OF SUBMITTER:</b>	J. MITCHELL JONES
<b>SIGNATURE:</b>	/J. Mitchell Jones/
<b>DATE SIGNED:</b>	12/28/2015
<b>Total Attachments: 9</b>	
source=Executed_Patent_Assignment_AkerBioMarineAS_to_AkerBioMarineAntarcticAS#page1.tif	
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**PATENT**

**REEL: 037364 FRAME: 0420**

# PATENT ASSIGNMENT

WHEREAS, **AKER BIOMARINE AS** a Norway corporation having a place of business at *Fjordalléen 16, 0250 Oslo, NORWAY*, hereinafter referred to as "ASSIGNOR," is the sole and exclusive owner, by assignment, of the patent application and patents listed on the attached Schedule A.

WHEREAS, **AKER BIOMARINE ANTARCTIC AS** a Norway corporation having a place of business at *J.M.Johansens vei 99, 8340 Stamsund, NORWAY*, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the Assignor's entire right, title and interest in said patent application and patents listed on the attached Schedule A;

For valuable consideration, the receipt and sufficiency of which I acknowledge, Assignor hereby sells, assigns, and transfers to Assignee, its successors, legal representatives and assigns, its entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignor warrants that it is the sole owner of the Rights, and that its Rights are unencumbered. Assignor also agrees to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's name to this Assignment on the date indicated below:

**AKER BIOMARINE AS**

By: [Signature]  
Type Name: Ola Snøve  
Its: Chairman of the Board

Date: 11/12-2014

On this 11th day of December, in the year of 2014, before me, the undersigned Witness, personally appeared the above-named ASSIGNOR, known to me (or proven to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she/they executed the same.

[Signature]  
WITNESS

IN TESTIMONY WHEREOF, ASSIGNEE has hereunto signed ASSIGNEE's name to this Assignment on the date indicated below.

**AKER BIOMARINE ANTARCTIC AS:**

By: [Signature]  
Type Name: Fredrik Dokk Nygaard  
Its: Chairman of the Board

Date: 11/12-2014

On this 11th day of December, in the year of 2014, before me, the undersigned Witness, personally appeared the above-named ASSIGNEE, known to me (or proven to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she/they executed the same.

[Signature]  
WITNESS

[SCHEDULE A ATTACHED]

SCHEDULE A:

1. **AKBM o6**

PCT Claim 1: A composition comprising: from about 3% to 10% ether phospholipids on a w/w basis; and from about 400 to about 2500 mg/kg astaxanthin.

PCT Jurisdictions: US, WO, CA, AU, EP, AT, BE, CH, CZ, DE, DK, ES, FI, FR, GB, GR, **HK**, HR, HU, IE, IT, LU, LV, NL, NO, PL, PT, SE, SI, SK, TR

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM 06	AKBM-14409/US-/PRO	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Converted	60/920,483	28.03.2007		
AKBM 06	AKBM-14409/US-4/PRO	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Converted	61/024,072	28.01.2008		
AKBM 06	AKBM-14409/WO-1/ORD	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Converted	PCT/GB2008/001080	28.03.2008		
AKBM 06- USA	AKBM-14409/US-5/ORD	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Published	12/057,775	28.03.2008		
AKBM 06-CA	AKBM-14409/CA-1/PCT	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Published	2682068	28.03.2008		
AKBM 06-AU	AKBM-14409/AU-1/PCT	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	2008231570	28.03.2008	2008231570	25.01.2012
AKBM 06- EPO	AKBM-14409/EP-1/PCT	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM06 AUS DIV	AKBM-14409/AU-2/DIV	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Pending	2011213836	23.08.2011		
AKBM06EPO- DIV	AKBM-14409/EP-2/DIV	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Published	12187516,5	05.10.2012		
AKBM06 AUS-IP1	AKBM-14409/AU-3/STP	PROCESSES AND PRODUCTS THEREOF	Granted	2012101332	28.03.2008	2012101332	13.09.2012
AKBM06 AUS-IP2	AKBM-14409/AU-4/STP	PROCESSES AND PRODUCTS THEREOF	Granted	2012101333	28.03.2008	2012101333	13.09.2012
AKBM06 AUS-IP3	AKBM-14409/AU-5/STP	PROCESSES AND PRODUCTS THEREOF	Granted	2012101334	28.03.2008	2012101334	13.09.2012
AKBM06 AUS-IP4	AKBM-14409/AU-6/STP	PROCESSES AND PRODUCTS THEREOF	Granted	2012101335	28.03.2008	2012101335	20.09.2012
AKBM 06-AT	AKBM-14409/AT-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-BE	AKBM-14409/BE-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-CH	AKBM-14409/CH-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-CZ	AKBM-14409/CZ-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-DE	AKBM-14409/DE-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	60 2008 024 566.7	15.05.2013
AKBM 06-DK	AKBM-14409/DK-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-ES	AKBM-14409/ES-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-FI	AKBM-14409/FI-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-EP	AKBM-14409/FR-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-GB	AKBM-14409/GB-1/EPP	BIOEFFECTIVE	Granted	8718910,6	28.03.2008	2144618	15.05.2013

		KRILL OIL COMPOSITIONS					
AKBM 06-GR	AKBM-14409/GR-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-HR	AKBM-14409/HR-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM-06 HK	AKBM-14409/HK-2/REP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Published	14100108.3	06-Jan-2014		
AKBM 06-HU	AKBM-14409/HU-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-IE	AKBM-14409/IE-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-IT	AKBM-14409/IT-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-LU	AKBM-14409/LU-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-LV	AKBM-14409/LV-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-NL	AKBM-14409/NL-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-NO	AKBM-14409/NO-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-PL	AKBM-14409/PL-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-PT	AKBM-14409/PT-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-SE	AKBM-14409/SE-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-SL	AKBM-14409/SI-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-SK	AKBM-14409/SK-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM 06-TR	AKBM-14409/TR-1/EPP	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Granted	8718910,6	28.03.2008	2144618	15.05.2013
AKBM06 AUS DIV2	AKBM-14409/AU-7/DIV	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Pending	2013227998	11.09.2013		
AKBM 06	AKBM-14409/CA-2/DIV	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Closed	AWAITING			
AKBM 06	AKBM-14409/CA-3/DIV	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Closed	AWAITING			
AKBM06 CONT1	AKBM-14409/US-6/CON	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Published	14/020,162	06.09.2013		
AKBM06 CONT2	AKBM-14409/US-7/CON	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Published	14/020,155	06.09.2013		
AKBM06 USA CONT3	AKBM-14409/US-8/CON	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Pending	14/490,176	18-Sep-2014		
AKBM06 USA CONT4	AKBM-14409/US-9/CON	BIOEFFECTIVE KRILL OIL COMPOSITIONS	Pending	14/490,221	18-Sep-2014		

## 2. AKBMoz

PCT Claim 1: A process for preparing phospholipid compositions from biological material comprising phospholipids and proteins comprising: mixing said biological material with water to increase the temperature of said biological material to about 25 to 80 oC to form a first solid phase and a first aqueous phase comprising said phospholipids and proteins; separating said first solid phase from said first aqueous phase; and separating a protein and phospholipid fraction from said first aqueous phase.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FileDate	PatNumber	IssDate
AKBM02	AKBM-30102/US-/PRO	METHOD FOR MAKING KRILL MEAL	Inactive	60/968,765	29.08.2007		
AKBM02_USP2	AKBM-30102/US-2/PRO	METHOD FOR MAKING KRILL MEAL	Inactive	61/047,297	23.04.2008		
AKBM 02-USA	AKBM-30102/US-3/ORD	METHOD FOR MAKING KRILL MEAL	Published	12/201,325	29.08.2008		
AKBM02 PCT	AKBM-30102/WO-1/ORD	A NEW METHOD FOR MAKING KRILL MEAL	Inactive	PCT/GB2008/002934	29.08.2008		
AKBM02 EPO	AKBM-30102/EP-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Published	8788481,3	29.08.2008		
AKBM02 AUS	AKBM-30102/AU-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Pending	2008291978	29.08.2008		
AKBM02 CAN	AKBM-30102/CA-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Granted	2697730	29.08.2008	2697730	08-Apr-2014
AKBM02 BR	AKBM-30102/BR-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Published	PI0815820-7	29.08.2008		
AKBM02 CN	AKBM-30102/CN-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Granted	200880112125.6	29.08.2008	ZL200880112125.6	15-Jan-2014
AKBM02 IN	AKBM-30102/IN-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Pending	1410/DELNP/2010	29.08.2008		
AKBM02 JP	AKBM-30102/JP-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Granted	2010-522444	29.08.2008	5129333	09.11.2012
AKBM02 KOR	AKBM-30102/KR-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Granted	10-2010-7006897	29.08.2008	10-1192880	12.10.2012
AKBM02 NZE	AKBM-30102/NZ-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Granted	583520	29.08.2008	583520	09.07.2012
AKBM02 RUS	AKBM-30102/RU-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Granted	2010111784	29.08.2008	2460309	10.09.2012
AKBM02 PCT	AKBM-30102/ZA-1/PCT	A NEW METHOD FOR MAKING KRILL MEAL	Granted	2010/01256	29.08.2008	2010/01256	31.08.2011
AKBM02 JP2	AKBM-30102/JP-2/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Granted	2011-253673	21.11.2011	5639990	31-Oct-2014
AKBM02 NZE2	AKBM-30102/NZ-2/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Granted	598062	07.02.2012	10-1343290	12-Dec-2013
AKBM 02	AKBM-30102/KR-2/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Granted	10-2012-7008872	05.04.2012	10-1343290	12.12.2013
AKBM02 AUS DIV	AKBM-30102/AU-2/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Granted	2012244229	30.10.2012	2012244229	06-Mar-2014
AKBM02 AUS DIV2	AKBM-30102/AU-3/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Pending	2013202260	02.04.2013		
AKBM02 AUS IP1	AKBM-30102/AU-4/STP	PROCESSES AND PRODUCTS THEREOF	Granted	2014100741	29-Aug-2008	2014100741	10-Jul-2014
AKBM02 CAN DIV	AKBM-30102/CA-2/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Pending	2839075			
AKBM02 EPO DIV	AKBM-30102/EP-2/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Published	14154671.3			
AKBM02 CN DIV	AKBM-30102/CN-2/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Published	201410024848.8			
AKBM02 USA DIV	AKBM-30102/US-4/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Published	14/136,848	20.12.2013		
AKBM02 HK	AKBM-30102/HK-2/REP	A NEW METHOD FOR MAKING	Pending	14111667.3			

		KRILL MEAL					
AKBM02 JPN3	AKBM-30102/JP-3/DIV	A NEW METHOD FOR MAKING KRILL MEAL	Pending	2014-217988	27-Oct-2014		
AKBM02 USA CONT1	AKBM-30102/US-5/CON	METHOD FOR MAKING KRILL MEAL	Pending	14/490,204	18-Sep-2014		

### 3. AKBM o8

PCT Claim 1. A solid dosage form comprising an active ingredient in a concentration of greater than about 40% by weight of said dosage form, wherein said active ingredient is a protein-phospholipid composition comprising protein in a concentration of about 30% to about 50% by weight of said active ingredient and fat in a concentration of about 50% to about 75% by weight of said active ingredient, wherein said fat comprises phospholipids in a concentration of about 35% to about 60% by weight of said fat; and an adsorption agent; wherein said dosage form has a hardness of greater than about 60 N.

PCT Jurisdictions: US, WO, AU, CA, EP, DE, FR, GB, ES, IT

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM08-US	AKBM-30843/US-1/PRO	PHOSPHOLIPID AND PROTEIN TABLETS	Inactive	61/155,758	26.02.2009		
AKBM08-WO	AKBM-30843/WO-1/ORD	PHOSPHOLIPID AND PROTEIN TABLETS	Inactive	PCT/IB2010/000490	25.02.2010		
AKBM08-USA	AKBM-30843/US-2/ORD	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	12/711,822	24.02.2010	8 372 812	12.02.2013
AKBM08	AKBM-30843/AU-1/PCT	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	2010217296	25.02.2010	2010217296	19.09.2013
AKBM08-CA	AKBM-30843/CA-1/PCT	PHOSPHOLIPID AND PROTEIN TABLETS	Pending	2753742	25.02.2010		
AKBM08-EPO	AKBM-30843/EP-1/PCT	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	10712494,3	25.02.2010	2400956	03.07.2013
AKBM08 USA	AKBM-30843/US-3/CON	PHOSPHOLIPID AND PROTEIN TABLETS	Published	13/748,013	23.01.2013		
AKBM08-EPO	AKBM-30843/DE-1/EPP	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	10712494,3	25.02.2010	6,0201E+11	03.07.2013
AKBM08-EPO	AKBM-30843/FR-1/EPP	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	10712494,3	25.02.2010	2400956	03.07.2013
AKBM08-EPO	AKBM-30843/GB-1/EPP	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	10712494,3	25.02.2010	2400956	03.07.2013
AKBM08-EPO	AKBM-30843/ES-1/EPP	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	10712494,3	25.02.2010	2400956	03.07.2013
AKBM08-EPO	AKBM-30843/IT-1/EPP	PHOSPHOLIPID AND PROTEIN TABLETS	Granted	10712494,3	25.02.2010	2400956	03.07.2013
AKBM08	AKBM-30843/AU-2/DIV	PHOSPHOLIPID AND PROTEIN TABLETS	Pending	2013206138	03.06.2013		

### 4. AKBM o9

PCT Claim: 1. A method for reducing risk factors for metabolic disorders in a subject, comprising: administering to said subject an effective amount of a krill oil composition under conditions such that metabolic disease risk factors of the subject are improved.

PCT Jurisdictions: US, CA, EP

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM09	AKBM-30951/US-1/PRO	THE USE OF KRILL OIL FOR THE TREATMENT OF CARDIOVASCULAR DISEASE RISK FACTORS IN OBESE SUBJECTS	Inactive	61/181,743	28.05.2009		
AKBM09-US	AKBM-30940/US-1/PRO	USE OF KRILL COMPOSITIONS	Inactive	61/179,973	20-May-2009		
AKBM09 CAN	AKBM-30951/CA-1/PCT	METHODS OF USING KRILL OIL TO TREAT RISK FACTORS FOR METABOLIC, CARDIOVASCULAR, AND INFLAMMATORY DISORDERS	Pending	2763647	28.05.2010		
AKBM09 EPO	AKBM-30951/EP-1/PCT	METHODS OF USING KRILL OIL TO TREAT RISK	Published	10740706,6	28.05.2010		

		FACTORS FOR METABOLIC DISORDERS AND OBESITY					
AKBM09 USA	AKBM-30951/US-2/CIP	METHODS OF USING KRILL OIL TO TREAT RISK FACTORS FOR CARDIOVASCULAR, METABOLIC, AND INFLAMMATORY DISORDERS	Granted	12/790,575	28.05.2010	8,697,138	15-Apr-2014
AKBM09 USA DIV	AKBM-30951/US-3/DIV	METHODS OF USING KRILL OIL TO TREAT RISK FACTORS FOR CARDIOVASCULAR, METABOLIC, AND INFLAMMATORY DISORDERS	Pending	14/244,532	03-Apr-2014		

### 5. AKBM 10

PCT Claim 1. An oil extracted from krill comprising from about 40% to about 60% phospholipids by weight of said oil and about 1 to about 1500 mg/l astaxanthin, said oil having Newtonian fluidity at 25oC.

PCT Jurisdictions: US, WO

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM10- USP3	AKBM-30844/US-1/PRO	LOW VISCOSITY PHOSPHOLIPID COMPOSITIONS	Converted	61/155,767	26.02.2009		
AKBM10	AKBM-30844/WO-1/ORD	LOW VISCOSITY PHOSPHOLIPID COMPOSITIONS	Inactive	PCT/IB2010/000512	25.02.2010		
AKBM10-USA	AKBM-30844/US-2/CIP	LOW VISCOSITY PHOSPHOLIPID COMPOSITIONS	Published	12/711,553	24.02.2010		

### 6. AKBM 11

PCT Claim 1. Krill oil comprising greater than about 22% EPA (w/w total fatty acids), greater than about 10% DHA (w/w total fatty acids), from 4% to 8% myristic acid (w/w total fatty acids), from 3% to 9% e9 oleic acid (w/w total fatty acids), and 20 to 4000 ppm astaxanthin.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM11 USA	AKBM-31608/US-3/PRO	CONCENTRATION OF OMEGA-3 POLYUNSATURATED FATTY ACIDS IN KRILL OIL	Converted	61/672,348	17.07.2012		
AKBM 11	AKBM-31608/WO-1/ORD	CONCENTRATION OF OMEGA-3 POLYUNSATURATED FATTY ACIDS IN KRILL OIL	Pending	PCT/IB2013/001959	08.07.2013		

### 7. AKBM 12

PCT Claim 1: A method of increasing the omega-3 phospholipid content of plasma phospholipids in a female subject as compared to male subjects comprising:

administering an omega-3 phospholipid supplement to said female subject under conditions such that the omega-3 phospholipid content of plasma phospholipids in said female subject is increased.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM12 USA	AKBM-31959/US-3/PRO	OMEGA-3 PHOSPHOLIPID	Converted	61/703,009	19.09.2012		



		SUPPLEMENTS FOR FEMALES					
AKBM12 USA	AKBM-31959/US-4/ORD	OMEGA-3 PHOSPHOLIPID SUPPLEMENTS FOR FEMALES	Published	14/028,738	17.09.2013		
AKBM 12PCT	AKBM-31959/WO-1/ORD	OMEGA-3 PHOSPHOLIPID SUPPLEMENTS FOR FEMALES	Published	PCT/IB2013/002814	17.09.2013		

## 8. AKBM 17

PCT Claim 1: Use of an omega-3 phospholipid supplement to improve or support brain maturity age of a subject in need thereof.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM17 USA	AKBM-33214/US-1/PRO	OMEGA-3 PHOSPHOLIPID SUPPLEMENTS FOR IMPROVED BRAIN MATURITY	Converted	61/783,574	14-Mar-2013		
AKBM17 USA	AKBM-33214/US-2/ORD	OMEGA-3 PHOSPHOLIPID SUPPLEMENTS FOR IMPROVED BRAIN MATURITY	Published	14/204,592	11-Mar-2014		
AKBM17 PCT	AKBM-33214/WO-1/ORD	OMEGA-3 PHOSPHOLIPID SUPPLEMENTS FOR IMPROVED BRAIN MATURITY	Published	PCT/IB2014/001052	11-Mar-2014		

## 9. AKBM 18

PCT Claim 1: A chewable oral delivery vehicle comprising a chewable matrix and at least one soft gelatin capsule encapsulating an oxidizable fatty acid composition, wherein said at least one soft gelatin capsule is incorporated into said chewable matrix.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM 18	AKBM-32547/US-1/PRO	OMEGA-3 DELIVERY FORM	Converted	61/609,628	12-Mar-2012		
AKBM18 PCT	AKBM-32547/WO-1/ORD	OXIDIXABLE FATTY ACID COMPOSITION DELIVERY FORM	Converted	PCT/IB2013/000865	11-Mar-2013		
AKBM18 USA	AKBM-32547/US-2/PCT	OXIDIXABLE FATTY ACID COMPOSITION DELIVERY FORM	Pending	14/384,286	10-Sep-2014		
AKBM18 EPO	AKBM-32547/EP-1/PCT	OXIDIXABLE FATTY ACID COMPOSITION DELIVERY FORM	Pending	13726591.4	11-Mar-2013		

## 10. AKBM 19

Claim 1 (US-1/PRO):

A process for extracting a lipid composition from a biological material comprising: contacting said biological material with a concentrated protic solvent under conditions such that polar lipids are preferentially extracted to form a slurry comprising a polar lipid solution and biological residue material; separating said polar lipid solution from said biological residue material; evaporating said protic solvent from said polar lipid solution to provide a polar lipid extract comprising phospholipids; washing said polar lipid extract with a diluted protic solvent under conditions such that phospholipids are poorly soluble; and evaporating said second protic solvent to provide a washed phospholipid extract.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM-19	AKBM-33382/US-1/PRO	LIPID EXTRACTION PROCESSES	Converted	61/834,965	14.06.2013		
AKBM-19	AKBM-33382/US-2/PRO	LIPID EXTRACTION PROCESSES	Converted	61/925,931	10-Jan-2014		
AKBMUS19 USA 3	AKBM-33382/US-3/ORD	LIPID EXTRACTION PROCESSES	Pending	14/303,835	13-Jun-2014		
AKBM19 PCT	AKBM-33382/WO-1/ORD	LIPID EXTRACTION PROCESSES	Pending	PCT/IB2014/002130	13-Jun-2014		

11. **AKBM20-24 AND 26**

United Kingdom patent applications filed by C&R, all in the name of AKER BIOMARINE AS, all still pending

AKBM	C&R ref	Title	Filing date	Appl <sup>n</sup> n°
20	Po63163GB	PHOSPHOLIPID COMPOSITIONS AND THEIR PREPARATION	10-Jan-14	1400431.1
21	Po63329GB	CAPSULES CONTAINING HIGH DOSES OF PHOSPHOLIPIDS	12-Feb-14	1402457.4
22	Po63328GB	LIQUID PHOSPHOLIPID-CONTAINING COMPOSITIONS FOR PREPARATION OF PHARMACEUTICALS	12-Feb-14	1402450.9
23	Po63325GB	KRILL PHOSPHOLIPID COMPOSITIONS	12-Feb-14	1402454.1
24	Po63714GB	KRILL PHOSPHOLIPID COMPOSITIONS	25-Apr-14	1407345.6
26	Po64259GB	CATIONS IN PHOSPHOLIPID COMPOSITIONS	11-Jul-14	1412409.3

12. **AKBM 25**

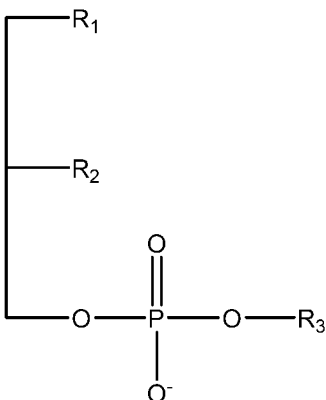
US-1 PRO Claim 1: A method of improving a parameter of flesh quality in fish comprising:

feeding fish a dietary ration comprising an amount of krill meal effective to improve one or more parameters of flesh quality in said fish.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
AKBM-25 Aqua Gaping	AKBM-33952/US-1/PRO	METHODS FOR IMPROVING FILLET QUALITY IN FARMED FISH	Pending	62/006,438	02-Jun-2014		

13. **NO 39**

US-2/CON Claim 1 (amended): A lipid composition comprising a mixture of phospholipid molecules, having the following general structure:



wherein said mixture of phospholipid molecules is characterized in comprising at least 1% docosahexaenoic acid (DHA) residues or eicosapentaenoic acid (EPA) residues at positions R1 or R2 and from about 15 to 45% of OH at positions R1 or R2 and wherein R1 and R2 are not simultaneously -OH, and wherein R3 is a moiety selected from the group consisting of choline, ethanolamine, inositol and serine moieties.

AKBM #	CJ Docket	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
NO 39-US	NATNU-14489/US-1/ORD	ANTI-INFLAMMATORY PROPERTIES OF MARINE LIPID COMPOSITIONS	Abandoned	11/800,229	04-May-2007		
NO 39-US	NATNU-14489/US-2/CON	ANTI-INFLAMMATORY PROPERTIES OF MARINE LIPID COMPOSITIONS	Published	12/849,950	04-Aug-2010		

**13. AKBM TRAWL**

AKBM #	Country	AppTitle	ApplicationStatus	AppNumber	FilDate	PatNumber	IssDate
N/A	PCT	FLOATING TRAWL METHODS AND ARRANGEMENTS	Abandoned	PCT/NO07/00362	17-Oct.-2007		
N/A	Norway	FLOATING TRAWL METHODS AND ARRANGEMENTS	Pending	20091906	17-Oct.-2007		