

10-14-2005



103100028

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B/O FORM PTO-1555 (Rev. 4/00)

103100028

To the Commissioner for Patents. Please record the attached original documents or copies thereof.

<p>1. Name of Conveying Party(ies): <b>BioProcess Sweden AB</b></p> <p><input type="checkbox"/> Additional names of conveying parties attached.</p>	<p>2. Name and Address of Receiving Party(ies): Name: <b>AstaReal AB</b></p> <p>Internal Address:</p> <p>Street Address: <b>Idrottsvagen 2</b></p> <p>City, State, Zip: <b>SE-134 40 Gustavsberg, Sweden</b></p> <p><input type="checkbox"/> Additional name(s) and address(es) attached.</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other:</p> <p>Execution Date: <b>September 1, 2003</b></p>	

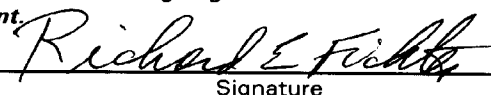
<p>4. (A) Patent Application Number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p><input type="checkbox"/> Additional Numbers Attached</p>	<p>4. (B) Patent Number(s): <b>6,410,602</b></p> <p>Atty Dkt: <b>LIGN3009/REF</b></p> <p>Title: <b>METHOD OF INCREASING THE PRODUCTION AND IMPROVING THE QUALITY OF SEMEN</b></p>
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<p>5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:</p> <p>Name: <b>Richard E. Fichter</b> <b>Registration Number 26,382</b></p> <p>Address: <b>Bacon &amp; Thomas, PLLC</b> <b>625 Slaters Lane Fourth Floor</b> <b>Alexandria, VA 22314</b></p>	<p>Total Number of Applications and Patents Involved: <b>1</b></p> <p>7. Total Fee: (37 CFR 3.41) <b>\$40.00</b></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account Number: <b>02-0200</b></p> <p>ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT</p>
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9. Statement and Signature:

**To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.**

<p>Richard E. Fichter</p> <p>Name of Person Signing</p>	 <p>Signature</p>	<p>October 5, 2005</p> <p>Date</p>
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Total number of pages including cover sheet, attachments and document: **5**

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40.00 OP

PATENT  
REEL: 017065 FRAME: 0684

Appendix 1 - patent- and patent applications

Country	Application No.	Patent No.	Date of Grant	Short title	Nat. Filing date	Int. Filing date
E P O	00970399.2			Th1 suppression	2000-10-05	2000-10-05
USA	10/088,496			Th1 suppression	2002-03-28	2000-10-05
Kanada	2,388,785			Th1 suppression	2002-03-27	2000-10-05
Australien	79788/00			Th1 suppression	2002-04-06	2000-10-05
Japan	2001-527786			Th1 suppression	2002-04-08	2000-10-05
E P O	01916022.5			NF-KB	2001-03-21	2001-03-21
USA	10/239,192			NF-KB	2002-09-27	2001-03-21
Kanada	2,405,479			NF-KB	2002-09-24	2001-03-21
Japan	2001-570257			NF-KB	2002-09-27	2001-03-21
Sverige	9403147-3	9403147-3	1996-05-28	ASTAXANTHIN-FJÄDERFÄ	1994-09-19	
Sverige	9601197-8	9601197-8	1997-11-17	DÄGGDJUR	1996-03-27	
Sverige	9700708-2	9700708-2	2004-01-27	HELICOBACTER	1997-02-27	
Tyskland	95933002.8	69525545.2-08	2002-02-20	ASTAXANTHIN-FJÄDERFÄ	1995-09-19	1995-09-19
Frankrike	95933002.8	0798968	2002-02-20	ASTAXANTHIN-FJÄDERFÄ	1995-09-19	1995-09-19
Spanien	95933002.8	0798968	2002-02-20	ASTAXANTHIN-FJÄDERFÄ	1995-09-19	1995-09-19
Storbritannien	95933002.8	0798968	2002-02-20	ASTAXANTHIN-FJÄDERFÄ	1995-09-19	1995-09-19
Italien	95933002.8	0798968	2002-02-20	ASTAXANTHIN-FJÄDERFÄ	1995-09-19	1995-09-19
Sverige	95933002.8	0798968	2002-02-20	ASTAXANTHIN-FJÄDERFÄ	1995-09-19	1995-09-19
USA	08/793,803	5,744,502	1998-04-28	ASTAXANTHIN-FJÄDERFÄ	1997-03-19	1995-09-19
Japan	510808/96			ASTAXANTHIN-FJÄDERFÄ	1997-03-19	1995-09-19
Sverige	9703191-8	9703191-8	2000-03-27	MUSKEL	1997-09-04	
Sverige	9704590-0	9704590-0	2000-07-24	SPERMAKVALITET	1997-12-09	
Sverige	9704693-2	9704693-2	1999-08-30	MASTIT	1997-12-16	
E P O	00966616.5			VÄXTGEN	2000-09-13	2000-09-13
USA	10/070,412			VÄXTGEN	2002-03-15	2000-09-13
Kanada	2,382,444			VÄXTGEN	2002-02-19	2000-09-13
Norge	20021305			VÄXTGEN	2002-03-15	2000-09-13
Japan	534316/97			DÄGGDJUR	1997-03-21	1997-03-21
USA	09/485,704	6,245,818	2001-06-12	MUSKEL	2000-02-29	1998-08-26
Kanada	2,299,366			MUSKEL	2000-02-04	1998-08-26
Japan	2000-508354			MUSKEL	2000-03-03	1998-08-26
Frankrike	98943128.3	1011653	2003-01-15	MUSKEL		1998-08-26
Italien	98943128.3	1011653	2003-01-15	MUSKEL		1998-08-26

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Zacco Sweden AB  
Box 23101  
SE-104 35 Stockholm, Sweden

Nederländerna	98943128.3	1011653	2003-01-15	MUSKEL		1998-08-26	
Spanien	98943128.3	1011653	2003-01-15	MUSKEL		1998-08-26	
Storbritannien	98943128.3	1011653	2003-01-15	MUSKEL		1998-08-26	
Tyskland	98943128.3	69810784.5-08	2003-01-15	MUSKEL		1998-08-26	
Sverige	98943128.3	1011653	2003-01-15	MUSKEL		1998-08-26	
E P O	97915802.9	0912106	2003-11-19	DÄGGDJUR	1997-03-21	1997-03-21	
Sverige	97915802.9	0912106	2003-11-19	DÄGGDJUR		1997-03-21	
Danmark	97915802.9	0912106	2003-11-19	DÄGGDJUR		1997-03-21	
Italien	97915802.9	0912106	2003-11-19	DÄGGDJUR		1997-03-21	
Frankrike	97915802.9	0912106	2003-11-19	DÄGGDJUR		1997-03-21	
Tyskland	97915802.9	69726279.0-08	2003-11-19	DÄGGDJUR		1997-03-21	
Nederländerna	97915802.9	0912106	2003-11-19	DÄGGDJUR		1997-03-21	
Storbritannien	97915802.9	0912106	2003-11-19	DÄGGDJUR		1997-03-21	
Australien	23133197	716605	2000-06-15	DÄGGDJUR	1997-03-21	1997-03-21	
Kanada	2,249,456			DÄGGDJUR	1997-03-21	1997-03-21	
Israel	126029	129029	2001-04-15	DÄGGDJUR	1997-03-21	1997-03-21	
Nya Zeeland	331861	331861	2000-02-08	DÄGGDJUR	1997-03-21	1997-03-21	
Polen	P 328996	185045	2002-08-05	DÄGGDJUR	1997-03-21	1997-03-21	
USA	09147,046	6,054,491	2000-04-25	DÄGGDJUR	1998-09-25	1997-03-21	
USA	09/589,594	6,335,015	2002-01-01	MASTIT	1998-12-10	1998-12-10	
Kanada	2,314,170			MASTIT	1998-12-10	1998-12-10	
Australien	1897299	743198	2002-05-09	MASTIT	2000-06-08	1998-12-10	
Nya Zeeland	504801			MASTIT	2000-05-26	1998-12-10	
Norge	20003042			MASTIT	2000-06-14	1998-12-10	
Sverige	9803541-3			DYSPepsi	1998-10-16		
USA	09/555,514	6,410,602	2002-06-25	SPERMAKVALITET	2000-06-06	1998-11-26	
Kanada	2,313,633			SPERMAKVALITET	1998-11-26	1998-11-26	
Australien	14483199	743456	2002-05-09	SPERMAKVALITET	1998-11-26	1998-11-26	
Japan	2000-523984			SPERMAKVALITET	1998-11-26	1998-11-26	
Nya Zeeland	504726	504726	2001-12-17	SPERMAKVALITET	2000-05-23	1998-11-26	
Tyskland	98958428.9	69811533.3-08	2003-02-19	SPERMAKVALITET	1998-11-26	1998-11-26	
Frankrike	98958428.9	1039888	2003-02-19	SPERMAKVALITET	1998-11-26	1998-11-26	
Italien	98958428.9	1039888	2003-02-19	SPERMAKVALITET		1998-11-26	
Spanien	98958428.9	1039888	2003-02-19	SPERMAKVALITET		1998-11-26	
Storbritannien	98958428.9	1039888	2003-02-19	SPERMAKVALITET		1998-11-26	
Sverige	98958428.9	1039888	2003-02-19	SPERMAKVALITET		1998-11-26	

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*Annika Tym*  
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Zacco Sweden AB  
Box 23101  
SE-104 35 Stockholm, Sweden

PATENT

REEL: 017065 FRAME: 0686

Sverige	9300901-7	9300901-7	1998-12-14	KOSTTILLÄGG	1993-03-19		
Australien	62951/98	719090	2000-08-17	HELICOBACTER	1999-08-26	1998-02-05	
Kanada	2,280,715			HELICOBACTER	1999-08-11	1998-02-05	
Israel	131129			HELICOBACTER	1999-07-27	1998-02-05	
Japan	537222/98			HELICOBACTER	1998-02-05	1998-02-05	
Sydkorea	99-7007239			HELICOBACTER	1999-08-11	1998-02-05	
Norge	19994109			HELICOBACTER	1999-08-25	1998-02-05	
Nya Zeeland	337080	337080	2001-07-12	HELICOBACTER	1999-08-05	1998-02-05	
Polen	P 335370			HELICOBACTER	1999-08-26	1998-02-05	
USA	09/367,838	6,262,316	2001-07-17	HELICOBACTER	1999-08-26	1998-02-05	
USA	09/463,958			DVSPepsi	2000-02-10	1999-10-08	
Australien	62016/99	763995	2003-11-20	DVSPepsi	2001-04-12	1999-10-08	
Kanada	2346647	2346647	2003-03-11	DVSPepsi	2001-04-05	1999-10-08	
E P O	99948969.3	1121106	2004-06-16	DVSPepsi	1999-10-08	1999-10-08	
Japan	2000-576839			DVSPepsi	2001-04-13	1999-10-08	
Norge	20011667			DVSPepsi	2001-04-03	1999-10-08	
Frankrike	99948969.3	1121106	2004-06-16	DVSPepsi		1999-10-08	
Italien	99948969.3	1121106	2004-06-16	DVSPepsi		1999-10-08	
Spanien	99948969.3	1121106	2004-06-16	DVSPepsi		1999-10-08	
Storbritannien	99948969.3	1121106	2004-06-16	DVSPepsi		1999-10-08	
Tyskland	99948969.3	1121106	2004-06-16	DVSPepsi		1999-10-08	
Sverige	99948969.3	1121106	2004-06-16	DVSPepsi		1999-10-08	

Zacco Sweden AB  
 Box 23101  
 SE-104 95 Stockholm, Sweden

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*Aurisketyim*  
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CONFIRMATORY ASSIGNMENT

The undersigned

BioProcess Sweden AB bankruptcy estate  
Idrottsvägen 2  
SE-134 40 Gustavsberg  
Sweden

(hereinafter called "Assignor"), hereby confirms that it on September 1, 2003 for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, has sold, assigned and transferred to

AstaReal AB  
Idrottsvägen 2  
SE-134 40 Gustavsberg  
Sweden

(hereinafter called the "Assignee"), its successors, assigns, nominees or other legal representatives, the undersigned's entire rights, titles and interests in and to the inventions as described and claimed in the following appendix 1

covenant the Assignor has full right to convey the entire interests therein assigned;

and undertakes to sign all lawful papers, make all rightful oaths, do all lawful acts requisite for such rights, and do everything possible to aid said Assignee to apply for, obtain and enforce protection for said rights.

In witness hereof the parties have executed this confirmation of assignment the day and year as below written.

Appendix 3 – Purchase Agreement  
Appendix 4 – Assignment agreement

Assignor Bioprocess AB bankruptcy estate

Assignee: AstaReal AB

By [Signature]  
Name and title: Ingemar Ekstrand

By: [Signature]  
Name and title: K. MIYAKAWA, Chairman

By \_\_\_\_\_  
Name and title: \_\_\_\_\_

By: \_\_\_\_\_  
Name and title: \_\_\_\_\_

Witnesses: Thomas Juelbrant  
Nina Becklund

[Signature]  
[Signature]

Zacco Sweden AB  
Box 23101  
SE-104 35 Stockholm, Sweden

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[Signature]

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