

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
logen Corporation	09/21/2007
logen Bio-Products Corporation	09/21/2007

RECEIVING PARTY DATA

Name:	Credit Suisse, Toronto Branch
Street Address:	1 First Canadian Place
Internal Address:	Suite 3000, P.O. Box 301
City:	Toronto
State/Country:	CANADA
Postal Code:	M5X 1C9

PROPERTY NUMBERS Total: 14

Property Type	Number
Patent Number:	5591304
Patent Number:	5970805
Patent Number:	6273994
Patent Number:	5916780
Patent Number:	6090595
Patent Number:	5700686
Patent Number:	5916799
Patent Number:	5866407
Patent Number:	6017420
Application Number:	10451308
Application Number:	10470953
Application Number:	10505815
Application Number:	10466640

PATENT

500361574

REEL: 019872 FRAME: 0260

OP \$560.00 5591304

Application Number:

11088725

CORRESPONDENCE DATA

Fax Number: (514)904-8101

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 514-904-8100

Email: ipmtl@osler.com

Correspondent Name: Osler, Hoskin & Harcourt LLP

Address Line 1: 1000 rue De La Gauchetiere Ouest

Address Line 2: Suite 2100

Address Line 4: Montreal, CANADA H3B 4W5

ATTORNEY DOCKET NUMBER:

1104669

NAME OF SUBMITTER:

Sofia Aguilar

Total Attachments: 10

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of September 21, 2007, by Iogen Corporation and Iogen Bio-Products Corporation (the "Grantors") in favour of Credit Suisse, Toronto Branch, as collateral agent (the "Collateral Agent") for the Secured Parties (as defined in the PSA referenced below).

Witnesseth:

WHEREAS, each Grantor is party to a Pledge and Security Agreement, dated as of the date hereof (the "PSA"), in favour of the Collateral Agent and the Collateral Agent wishes to record this Intellectual Property Security Agreement with the Canadian Intellectual Property Office and the United States Patents and Trade-marks Office;

NOW, THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and adequacy of which are acknowledged, each Grantor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the PSA and used herein have the meaning given to them in the PSA.

SECTION 2. Grant of Security Interest in Intellectual Property. As continuing security for the payment and performance of each of the Secured Obligations, each Grantor hereby grants to the Collateral Agent, for the benefit of the Secured Parties, a first continuing, specific and fixed security interest in all of such Grantor's right, title and interest in, to and under all of the following Intellectual Property Rights of such Grantor:

- (a) The Trade-marks listed on Schedule A attached hereto; and
- (b) The Patents listed on Schedule B attached hereto.

SECTION 3. Security Agreement. The security interest granted pursuant to this Intellectual Property Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the PSA and each Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Trade-marks and Patents made and granted hereby are more fully set forth in the PSA, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Intellectual Property Security Agreement is deemed to conflict with the PSA, the provisions of the PSA shall control unless the Collateral Agent shall otherwise determine.

SECTION 4. Termination. Upon termination of the commitments in respect of all Secured Obligations and full and final payment and performance of the Secured Obligations, the Collateral Agent shall upon request in writing by the Grantors execute, acknowledge, and deliver to each Grantor an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the Trade-marks and Patents under this Intellectual Property Security Agreement and the PSA.

SECTION 5. Governing Law. This Agreement is a contract made under and shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable in the Province of Ontario without prejudice to or limitation of any other rights or remedies available under the laws of any jurisdiction where property or assets of any Grantor may be found.

[Execution Pages Follow]

IN WITNESS WHEREOF, each Grantor has caused this Intellectual Property Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

IOGEN CORPORATION

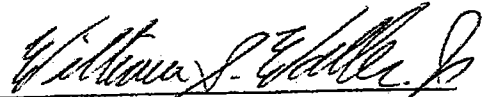
By: 

Name: William S. Waller, Jr.

Title: Executive Vice-President, Chief
Financial Officer and Secretary

Intellectual Property Security Agreement

IOGEN BIO-PRODUCTS CORPORATION

By: 

Name: William S. Waller, Jr.

Title: Executive Vice-President, Chief
Financial Officer and Secretary

Intellectual Property Security Agreement

Accepted and Agreed:

CREDIT SUISSE, TORONTO BRANCH,
as Collateral Agent

By: _____

Name:

Alain Daoust

Title:

Director

By: _____

Name:

Steve W. Fuh

Title:

Vice-President

Intellectual Property Security Agreement

PATENT
REEL: 019872 FRAME: 0266

SCHEDULE A
CANADIAN TRADE-MARKS

Trademarks Held

1. Trademark - BIOBRITE
Canadian registration date - October 29, 1997
Canadian registration number - TMA484,956
2. Trademark - DENABRAIDE
Canadian registration date - September 15, 1998
Canadian registration number - TMA500,620
3. Trademark - ECOETHANOL
Canadian registration date - December 17, 2003
Canadian registration number - TMA597,913
4. Trademark - FIBRILASE
Canadian registration date - August 23, 2002
Canadian registration number - TMA566,336
5. Trademark - IOGEN CORPORATION
Canadian registration date - April 30, 2001
Canadian registration number - TMA544,235
6. Trademark - PERFORMENZ
Canadian registration date - August 19, 1994
Canadian registration number - TMA432,044
7. Trademark - SUSTENEX
Canadian registration date - October 3, 2006
Canadian registration number - TMA674,002
8. Trademark - ULTIMASE
Canadian registration date - July 2, 2004
Canadian registration number - TMA613,982
9. Trademark - VERIBRITE
Canadian registration date - January 22, 2002
Canadian registration number - TMA556,646
10. Trademark - VERITRACE
Canadian registration date - March 12, 1997
Canadian registration number - TMA472,563

UNITED STATES TRADE-MARKS

Trademarks Held

1. Trademark - BIOBRITE
U.S. registration date - June 2, 1998
U.S. registration number - 2,161,762
2. Trademark - DENABRAIDE
U.S. registration date - November 16, 1999
U.S. registration number - 2,292,136
3. Trademark - FIBRILASE
U.S. registration date - April 23, 2002
U.S. registration number - 2,563,334
4. Trademark - IOGEN CORPORATION
U.S. registration date - July 16, 2002
U.S. registration number - 2,593,470
5. Trademark - SUSTENEX
U.S. registration date - May 1, 2007
U.S. registration number - 3,237,845
6. Trademark - ULTIMASE
U.S. registration date - January 4, 2005
U.S. registration number - 2,916,384
7. Trademark - VERIBRITE
U.S. registration date - October 8, 2002
U.S. registration number - 2,629,983

SCHEDULE B
CANADIAN PATENTS

Patents Issued

Title	Patent/Serial Number	Issue Date	Expiry Date	Registered Owner
Method for the Use of Enzymes in Processing and Bleaching of Paper Pulp, and Apparatus for Use Thereof	CA 2,079,000	June 18, 1996	May 7, 2012	Iogen Bio-Products
Fiber Sampling Device (also Iogen Energy)	CA 2,321,279	Pending		Iogen Corporation
Method and Device for Measuring Bleach Requirement, Bleachability, and Effectiveness of Hemicellulase Enzyme Treatment of Pulp (X-Monitor)	CA 2,319,074	Pending		Iogen Corporation
Alkaline Extraction Stages Comprising Xylanase	CA 2,432,788	Pending		Iogen Bio-Products
Bleaching Stage Using Xylanase with Hydrogen Peroxide, Peracids, or a Combination Thereof	CA 2,436,765	Pending		Iogen Bio-Products
Xylanase Treatment of Chemical Pulp	CA 2,477,847	Pending		Iogen Bio-Products
Pretreatment Process for Conversion of Cellulose to Fuel Ethanol	CA 2,240,035	Pending		Iogen Corporation
Enhanced Expression of Proteins in Genetically Modified Fungi (also Iogen Bio-Products)	CA 2,382,609	Pending		Iogen Bio-Products
Protease-Treated and Purified Cellulase Compositions and Methods for Reducing Backstaining during Enzymatic Stonewashing	CA 2,177,632	Pending		Iogen Corporation
Method and Enzyme Mixture for Improved Depilling of Cotton Goods	CA 2,232,322	June 19, 2007	March 13, 2018	Iogen Bio-Products

Patent Applications Not Yet Issued

Title	Serial Number	Priority Date	Registered Owner
Use of Xylanase in Pulp Bleaching	CA 2,435,279		Iogen Bio-Products
Modified Xylanase Exhibiting Improved Expression	CA 2,560,590		Iogen Bio-Products
Modified Method for Mechanical Pulp Production	CA 2,541,229	March 30, 2005	Iogen Bio-Products

UNITED STATES PATENTS

Patents Issued

Title	Patent/Serial Number	Issue Date	Expiry Date	Registered Owner
Method for the Use of Enzymes in Processing and Bleaching of Paper Pulp, and Apparatus for Use Thereof	US 5,591,304	January 7, 1997	January 7, 2014	Iogen Corporation
Fiber Sampling Device (also Iogen Energy)	US 5,970,805	October 26, 1999	February 23, 2018	Iogen Corporation
Method and Device for Measuring Bleach Requirement, Bleachability, and Effectiveness of Hemicellulase Enzyme Treatment of Pulp (X-Monitor)	US 6,273,994	August 14, 2001	January 30, 2018	Iogen Corporation
Alkaline Extraction Stages Comprising Xylanase	US 10/451,308	Pending		Iogen Bio-Products
Bleaching Stage Using Xylanase with Hydrogen Peroxide, Peracids, or a Combination Thereof	US 10/470,953	Pending		Iogen Bio-Products
Xylanase Treatment of Chemical Pulp	US 10/505,815	Pending		Iogen Bio-Products
Pretreatment Process for Conversion of Cellulose to Fuel Ethanol	US 5,916,780 US 6,090,595	June 29, 1999 July 18, 2000	June 9, 2017 June 9, 2017	Iogen Corporation Iogen Corporation
Protease-Treated and Purified Cellulase Compositions and Methods for Reducing Backstaining during Enzymatic Stonewashing	US 5,700,686 US 5,916,799	December 23, 1997 June 29, 1999	June 6, 2015 August 20, 2017	Iogen Corporation Iogen Corporation
Method and Enzyme Mixture for Improved Depilling of Cotton Goods	US 5,866,407	February 2, 1999	March 18, 2017	Iogen Corporation
Apparatus for Automated Monitoring of Pulp Retention Time Using an Iodine Salt Tracer	US 6,017,420	January 25, 2000		Iogen Corporation

Patent Applications Not Yet Issued

Title	Serial Number	Priority Date	Registered Owner
Use of Xylanase in Pulp Bleaching	US 10/466,640	January 18, 2001	Iogen Bio-Products
Modified Xylanase Exhibiting Improved Expression	US 11/088,725	March 25, 2004	Iogen Bio-Products