

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7851197

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEREDIAN, INC.	03/16/2023

RECEIVING PARTY DATA

Name:	DANIMER IPCO, LLC
Street Address:	140 INDUSTRIAL BOULEVARD
City:	BAINBRIDGE
State/Country:	GEORGIA
Postal Code:	39817

PROPERTY NUMBERS Total: 57

Property Type	Number
Patent Number:	7098298
Patent Number:	7098292
Patent Number:	6838037
Patent Number:	7077994
Patent Number:	7384766
Patent Number:	6905987
Patent Number:	8076381
Patent Number:	8148439
Patent Number:	11001727
Application Number:	15786848
Patent Number:	11053359
Application Number:	15795352
Patent Number:	10793757
Application Number:	15874964
Application Number:	16601621
Application Number:	16537800
Application Number:	16426333
Application Number:	17891435
Application Number:	17744109
Application Number:	17385120

PATENT

Property Type	Number
Application Number:	17482751
Application Number:	17482758
Application Number:	17482798
Application Number:	16879516
Application Number:	17482867
Application Number:	17691201
Application Number:	17877291
Application Number:	17876663
Application Number:	17876921
Application Number:	17876752
Patent Number:	6806401
Patent Number:	7129395
Patent Number:	6825285
Patent Number:	7301000
Patent Number:	6903053
Patent Number:	7341856
Patent Number:	7361807
Patent Number:	5489470
Patent Number:	5602227
Patent Number:	5653930
Patent Number:	5685756
Patent Number:	5990271
Patent Number:	6013590
Patent Number:	6027787
Patent Number:	6077931
Patent Number:	6160199
Patent Number:	6174990
Patent Number:	6475734
Patent Number:	6569990
Patent Number:	6794023
Patent Number:	6821612
Patent Number:	7226765
Patent Number:	7378266
Patent Number:	7176349
Application Number:	16880106
Application Number:	16880135
Application Number:	11358115

CORRESPONDENCE DATA**Fax Number:** (212)245-3009*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:** 212-541-6222**Email:** pbennett@kanekessler.com**Correspondent Name:** KANE KESSLER, P.C.**Address Line 1:** 600 THIRD AVENUE**Address Line 2:** 35TH FLOOR**Address Line 4:** NEW YORK, NEW YORK 10016-1901**NAME OF SUBMITTER:** PATRICIA BENNETT**SIGNATURE:** /Patricia Bennett/**DATE SIGNED:** 03/17/2023**Total Attachments: 55**

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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (the “*Agreement*”) is entered into as of March 16, 2023, by and between Danimer Scientific, Inc., a Delaware corporation, Meredian Holdings Group, Inc., a Delaware corporation, Danimer Scientific Holdings, LLC, a Delaware limited liability company, Meredian Bioplastics, Inc., a Georgia corporation, Meredian, Inc., a Georgia corporation, Danimer Bioplastics, Inc., a Georgia corporation, and Danimer Scientific, L.L.C., a Georgia limited liability company (the “*Assignors*” and each, an “*Assignor*”) and Danimer IPCo, LLC, a Delaware limited liability company (the “*Company*”).

WHEREAS, the Company is an affiliate of an Assignor;

WHEREAS, the Company desires to obtain from each Assignor, and each Assignor is willing to assign and transfer to the Company, the Property (as defined below), in accordance with the terms and subject to the conditions of this Agreement;

WHEREAS, concurrently with the execution of this Agreement, the Company is entering that certain Intellectual Property License Agreement with each Assignor (the “*License Agreement*”) to enable each Assignor and its end users to use the Property (as defined below) and such other intellectual property that is the subject of such License Agreement to commercialize and exploit the Property and such intellectual property; and

WHEREAS, contemporaneously with the execution of this Agreement, affiliates of the Assignors and the Company (the “*Affiliates*”) are entering into a certain Financing Agreement pursuant to which the Affiliates will pledge security interests in the Property (the “*Financing Agreement*”).

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Assignor and the Company agree as follows:

AGREEMENT

1. Each Assignor hereby sells, assigns and delivers to the Company all of such Assignor’s right, title and interest, on a worldwide basis, in and to (x) the issued patents, patent applications, registered trademarks and trademark applications, and trade secrets (and know-how) described in **Exhibit A** attached hereto, and the goodwill appurtenant thereto, (y) all other Intellectual Property Rights, owned, acquired, filed for, created, or developed by or on behalf of each Assignor whether in existence on the date hereof or owned, acquired, filed for, created or developed thereafter, and (z) any and all modifications, derivative works and improvements in the foregoing together with all related Intellectual Property Rights, in each case, together with the right to sue and recover damages and payments for past, present, and future infringement, misappropriation, violation, or conflict of or any of the foregoing and all rights to protection of interests therein (collectively, the “*Property*”). “*Intellectual Property Rights*” means collectively, any and all now known or hereafter known tangible and intangible intellectual property rights or similarly protected rights in any country, now or in the future, whether or not applied-for registered or perfected, and whether arising by operation of law, contract, license, or otherwise, including, without limitation: (i) copyrights, inventor certificates, and other rights associated with works of authorship throughout the world, including but not limited to, copyrights and moral rights (including the right of an author to be known as the author of a work); (ii) know-how and trade secret rights, technical information, data and processes whether tangible or intangible; (iii) patent rights, including utility and design patents; (iv) rights related to designs, algorithms, semiconductor mask work rights; (v) trademark rights, trademark and service mark rights (whether arising under common law or registered under state or federal law), trade names, and brand

names and similar rights, and the goodwill appurtenant thereto; and (vi) to the extent applicable, all registrations, initial applications, renewals, extensions, continuations, continuations-in-part, divisions or reissues hereof now or hereafter in force, including any rights in any of the foregoing.

2. Upon each request by the Company, without additional consideration, each Assignor agrees to promptly execute documents, including further confirmatory assignments to the Company, as necessary, testify and take other acts at the Company's expense as the Company may deem necessary or desirable to procure, maintain, perfect, and enforce the full benefits, enjoyment, rights, title and interest, on a worldwide basis of the Property assigned hereunder, and render all necessary assistance in making application for and obtaining original, divisional, renewal, or reissued utility and design patents, copyrights, mask works, trademarks, trade secrets, and all other technology and Intellectual Property Rights throughout the world related to any of the Property, in the Company's name and for its benefit. In the event the Company is unable for any reason, after reasonable effort, to secure an Assignor's signature on any document needed in connection with the actions specified herein, such Assignor hereby irrevocably designates and appoints the Company and its duly authorized officers and agents as its agent and attorney in fact, which appointment is coupled with an interest, to act for and in its behalf to execute, verify and file any such documents and to do all other lawfully permitted acts to further the purposes of this paragraph with the same legal force and effect as if executed by such Assignor. Each Assignor hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, which such Assignor now or may hereafter have for infringement, misappropriation, violation, or conflict of any Property assigned hereunder.

3. Each Assignor further agrees to deliver, and hereby does deliver, title to the Company of any and all tangible manifestations of the Property, including, without limitation, all notes, records, files and tangible items of any sort in its possession or under its control relating to the Property. Such delivery shall include all present and predecessor versions. In addition, each Assignor agrees to provide to the Company from and after the execution of this Agreement and at the expense of the Company competent and knowledgeable assistance to facilitate the transfer of all information, know-how, techniques, processes and the like related to such tangible manifestation and otherwise comprising the intangible aspects of the Property.

4. Each Assignor represents and warrants to the Company that (a) other than with respect to joint ownership of Joint IP Rights solely as defined and permitted under Section 5.14(d) of the Financing Agreement, Assignors, collectively, are the sole owners of the Property and have full and exclusive right to assign the rights assigned herein, subject to each Assignor's existing licensing agreements, (b) such Assignor has full right and power to enter into and perform this Agreement, (c) to such Assignor's knowledge, none of the Property infringes, conflicts with or violates any patent or other Intellectual Property Right of any kind (including, without limitation, any trade secret) or similar rights of any third party, and (d) the execution, delivery and performance of this Agreement does not conflict with, constitute a breach of, or in any way violate any arrangement, understanding or agreement to which Assignor is a party or by which such Assignor is bound.

5. Each Assignor further represents and warrants to the Company that no claim, whether or not embodied in an action past or present, of any infringement, misappropriation, violation or conflict of any patent, trade secret or other Intellectual Property Right or similar right, has been made or is pending or threatened in writing against such Assignor relative to the Property. Each Assignor agrees to promptly inform the Company of any such claim arising or threatened in the future with respect to the Property or any part thereof.

6. This Agreement and the Exhibit attached hereto constitute the entire, complete, final and exclusive understanding and agreement of the parties hereto with respect to the subject matter hereof, and supersedes any other prior or contemporaneous oral understanding or agreement or any other prior written

agreement. No modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, will be effective unless in writing and signed by the parties hereto.

7. This Agreement will be governed and construed in accordance with the laws of the State of New York without giving effect to any conflicts of laws principles that require the application of the law of a different state. Each Assignor hereby expressly consents to the personal jurisdiction of the state and federal courts located in the county in which the Company has its principal offices for any lawsuit filed there against an Assignor by the Company arising from or related to this Agreement.

8. If any provision of this Agreement is found invalid or unenforceable, in whole or in part, the remaining provisions and partially enforceable provisions will, nevertheless, be binding and enforceable.

9. Failure by either party to exercise any of its rights hereunder shall not constitute or be deemed a waiver or forfeiture of such rights.

10. The provisions hereof shall inure to the benefit of, and be binding upon, the successors and assigns of the parties hereto.

[Signature Page Follows]

The undersigned have executed this Agreement as of the date set forth above.

COMPANY:

DANIMER IPCO, LLC, a Delaware limited liability company

By: Michael A. Hajost

Name: Michael A. Hajost
Title: Treasurer

ASSIGNORS:

DANIMER SCIENTIFIC HOLDINGS, LLC, a Delaware limited liability company

By: Michael A. Hajost

Name: Michael A. Hajost
Title: Treasurer

MEREDIAN BIOPLASTICS, INC., a Georgia corporation

By: Michael A. Hajost

Name: Michael A. Hajost
Title: Treasurer

MEREDIAN, INC., a Georgia corporation

By: Michael A. Hajost

Name: Michael A. Hajost
Title: Treasurer

DANIMER BIOPLASTICS, INC., a Georgia corporation

By: Michael A. Hajost

Name: Michael A. Hajost
Title: Treasurer

[Signature Page to Intellectual Property Assignment Agreement]

The undersigned have executed this Agreement as of the date set forth above.

DANIMER SCIENTIFIC, L.L.C., a
Georgia limited liability company

By: 

Name: Michael A. Hajost
Title: Treasurer

{Signature Page to Intellectual Property Assignment Agreement}

DANIMER SCIENTIFIC, INC., a Delaware corporation

By: Michael A. Hajost

Name: Michael A. Hajost
Title: Chief Financial Officer

MEREDIAN HOLDINGS GROUP, INC., a Delaware corporation

By: Michael A. Hajost

Name: Michael A. Hajost
Title: Treasurer

[Signature Page to Intellectual Property Assignment Agreement]

EXHIBIT A

1. The following patents:

[see attached]

2. The following trademarks:

[see attached]

3. All trade secrets and know-how owned by any of the Assignors, including all trade secrets and know-how used in the conduct of each Assignor's business and trade secrets and know-how deposited or to be deposited into a documentation vault pursuant to Section 5.20 of the Financing Agreement.

Schedule 4.21
Intellectual Property

Foreign Patents

LINE #	FILE #	INVENTION TITLE	Application No.	Filing Date	Parent No.	Issue Date	Expiry Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
72048.W1	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	PCT/US17/5 8396	10/26/2017				4/26/2019	Published	Dannur Bioplastics, Inc.	Techniq Holdings LLC		WIPO (PCT)
72134.W1	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	PCT/US17/5 8656	10/27/2017				4/27/2019	Granted	Meridian Inc.			WIPO (PCT)
72242.W1	POLYMER COMPOSITIONS AND HOT-MELT ADHESIVES FORMED THEREFROM	PCT/US16/6 2192	11/16/2016				5/19/2018	Published	Dannur Bioplastics, Inc.	Henkel IP & Holding GmbH		WIPO (PCT)
72304.W1	BIODEGRADABLE HOT MELT ADHESIVES	PCT/US18/1 4321	1/19/2018				7/20/2019	Pending	Dannur Bioplastics, Inc.			WIPO (PCT)
73685.W1	Antimicrobial Biodegradable Compositions for Food Contact Articles	PCT/US202 1/021894	3/11/2021					Filed	Meridian, Inc.			WIPO (PCT)
74785.W1	Method of Recovering PHAs from a Biomass	PCT/US202 2/040857	8/19/2022					Filed	Meridian, Inc.			WIPO (PCT)
73066.W1	Polyester Impact Modifiers	PCT/US202 2/029234	5/13/2022					Filed	Meridian, Inc.			WIPO (PCT)
75176.W1	Biobased Material for Consumer Goods Packaging	PCT/US202 1/043136	7/16/2021				7/16/2021	Filed	Meridian, Inc.			WIPO (PCT)
73091.W1	Biodegradable Containers and Resin Therefor	PCT/US202 1/051689	9/23/2021					Filed	Meridian, Inc.			WIPO (PCT)
73092.W1	Biodegradable Container Closure and Resin Therefor	PCT/US202 1/051695	9/23/2021					Filed	Meridian, Inc.			WIPO (PCT)
73093.W1	Biodegradable Labels and Resin Therefor	PCT/US202 1/051714	9/23/2021					Filed	Meridian, Inc.			WIPO (PCT)

PATENT

REEL: 063113 FRAME: 0394

ING. FR.	FR.	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
75549.W1	APPARATUS AND METHODS FOR MANUFACTURING BIODEGRADABLE, COMPOSTABLE, DRINK STRAWS FROM POLYHYDROXYA LKANOATE MATERIAL.	PCT/US20933845	5/20/2020					Meridian Inc.	New WinCup Holdings Inc.		WIPO (PCT)
75356.W1	Pre-Forms for Making Biodegradable Containers and Preforms Therefor	PCT/US2021051725	9/23/2021				Filed	Meridian, Inc.			WIPO (PCT)
75620.W1	Home Compostable & Degradable Extrusion Coated Substrates	PCT/US22/19672	3/10/2022				Filed	Meridian, Inc.			WIPO (PCT)
75858.W1	Biodegradable Insect Trap	PCT/US2022044581	9/15/2022				Filed	Meridian, Inc.			WIPO (PCT)
76010.W1	MULTILAYER FILM STRUCTURES USING POLY(3-HYDROXYPROPIONATE)	PCT/US2022038884	7/29/2022				Filed	Meridian, Inc.			WIPO (PCT)
76011.W1	BIOPOLYMER COMPOSITIONS INCORPORATING POLY(3-HYDROXYPROPIONATE)	PCT/US2022038762	7/29/2022				Filed	Meridian, Inc.			WIPO (PCT)
76016.W1	Production of Bimodal Molecular Weight Poly(hydroxyalkanoates)	PCT/US2022038817	7/29/2022				Filed	Meridian, Inc.			WIPO (PCT)
76017.W1	POLYLACTIC ACID) BLENDS HAVING IMPROVED CRYSTALLIZATION	PCT/US2022038781	7/29/2022				Filed	Meridian, Inc.			WIPO (PCT)

PATENT

REEL: 063113 FRAME: 0395

ING. FR.	Title	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
72291.UK	Adhesive Composition And Method							Meridian, Inc.			United Kingdom
72048.TH	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	1901002603.0	4/26/2019			10/26/2037	Pending	Dannier Bioplastics, Inc.	Teung Holdings		Thailand
72049.TH	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYALKANOATES	1901002322.0	4/18/2019			10/18/2037	Pending	Meridian Bioplastics, Inc.			Thailand
72134.TH	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	1901002591.0	4/26/2019			10/27/2037	Pending	Dannier Bioplastics, Inc.			Thailand
72279.TH	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	2101007308.0	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Thailand
72280.TH	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	2101007273.0	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Thailand
72304.TH	Biodegradable Hot Melt Adhesives	1901004444	1/19/2018					Dannier Bioplastics, Inc.			Thailand
72972.TH	Biopolymer Coated Fiber Food Service Items	2101002176	10/15/2019			10/15/2039	Pending	Dannier Bioplastics, Inc.			Thailand
73650.TH	Biodegradable Coatings based on Aqueous PHA Dispersions	2101000855.0	8/12/2019			8/12/2039		Dannier Bioplastics, Inc.			Thailand
74008.TH	Biodegradable Profile Extruded Articles	2101001648.0	5/30/2019			5/30/2039	Pending	Dannier Bioplastics, Inc.			Thailand
74008.TH	Biodegradable Profile Extruded Articles	2101001648.0	5/30/2019			5/30/2039	Pending	Dannier Bioplastics, Inc.			Thailand
74367.TH	PHA TERPOLYMER COMPOSITIONS	2101007312	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Thailand

INC. FR.	FR.	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
63899.ES	BIODEGRADABLE POLYESTER BLEND COMPOSITIONS AND METHODS OF MAKING THE SAME	19799519	10/5/2001	1360237.0	7/4/2007	10/5/2021	Current	Merckan, Inc.			Spain
63908.EU	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POLYACTIC ACID POLYMER OR COPOLYMER BLENDS	2728459.5	3/15/2002	1381720.0	9/5/2012	3/15/2022	Current	Merckan, Inc.			Spain
63548.ES 2	Deparable Polymers And Method For Fracking Applications	147786792.0	3/17/2014	2970754	9/30/2020	3/17/2034	Granted	Danner Scientific, LLC			Spain
72048.ES	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	178086310.0	10/26/2017	3332533	12/16/2020	10/26/2037	Granted	Danner Bioplastics, Inc.	Tecny Holdings		Spain
72242.ES	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	168679016.0	11/16/2016	3377580	8/19/2020	11/16/2036	Granted	Danner Bioplastics, Inc.	Henkel IP & Holding GmbH		Spain
72291.ES	Adhesive Composition And Method							Danner Scientific, LLC			Spain
63771.KR	NUCLEATING AGENTS AND POLYHYDROXYA LKANOATES	2007-7995771	9/15/2005	885144.0	2/17/2009	9/15/2025	Current	Merckan, Inc.	Co-owned with Kaneka		South Korea
72048.KR	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	1020197015 053.0	5/24/2019			10/26/2037	Pending	Danner Bioplastics, Inc.	Tecny Holdings		South Korea
72049.KR	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	1020197013 845.0	4/18/2019			10/18/2037	Pending	Merckan, Inc.			South Korea

ING. FR.	FRM.	Application No.	Filing Date	Parent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
72134.KR	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	1020197013 85690	5/14/2019				Pending	Meridian, Inc.			South Korea
72242.KR	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	1020187017 2739	6/18/2018			11/16/2036	Pending	Danner Bioplastics, Inc.	Henkel IP & Holding GmbH		South Korea
72279.KR	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	10-2021-7941595	5/21/2020			5/21/2040	Pending	Meridian, Inc.			South Korea
72280.KR	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	10-2021-7941596	5/21/2020			5/21/2040	Pending	Meridian, Inc.			South Korea
72304.KR	Biodegradable Hot Melt Adhesives	10-2019-7924091	1/19/2018					Meridian, Inc.			South Korea
72972.KR	Biopolymer Coated Fiber Food Service Items	10-2021-7914037	10/15/2019			10/15/2039	Pending	Meridian, Inc.			South Korea
72650.KR	Biodegradable Coatings based on Aqueous PHA Dispersions	10-2021-7907055	8/12/2019			8/12/2039		Meridian, Inc.			South Korea
74008.KR	Biodegradable Profile Extruded Articles	10-2021-7910817	5/30/2019			5/30/2039	Pending	Meridian, Inc.			South Korea
74367.KR	PHA TERPOLYMER COMPOSITIONS	10-2021-7941597	5/21/2020			5/21/2040	Pending	Meridian, Inc.			South Korea
72279.ZA	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	2021/09515	5/21/2020			5/21/2040	Pending	Meridian, Inc.			South Africa
72280.ZA	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	2021/09516	5/21/2020			5/21/2040	Pending	Meridian, Inc.			South Africa
72972.ZA	Biopolymer Coated Fiber Food Service Items	2021/02416	10/15/2019			10/15/2039	Pending	Meridian, Inc.			South Africa

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73650.ZA	Biodegradable Coatings based on Aqueous PHA Dispersions	1.5	8/12/2019			8/12/2039	Pending	Meridian, Inc.			South Africa
74008.ZA	Biodegradable Profile Extruded Articles	2021/02319	5/30/2019			5/30/2039	Pending	Meridian, Inc.			South Africa
74367.ZA	PHA TERPOLYMER COMPOSITIONS	2021/09517	5/21/2020			5/21/2040	Pending	Meridian, Inc.			South Africa
72048.SG	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	1120190376 9U	4/25/2019	112019037 69U	10/27/2021	10/26/2037	Granted	Danimer Bioplastics, Inc.	Tecnic Holdings		Singapore
72049.SG	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	1120190350 8X	4/18/2019	112019035 08X	7/6/2021	10/18/2037	Granted	Meridian Bioplastics, Inc.			Singapore
72134.SG	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	1120190378 2R	4/26/2019			10/27/2037	Pending	Danimer Bioplastics, Inc.			Singapore
72279.SG	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND PERTHIZERS	1120211279 SP	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Singapore
72280.SG	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	1120211283 3Q	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Singapore
72304.SG	Biodegradable Hot Melt Adhesives	1120190660 6W	1/19/2018	112019066 06W	7/22/2021	1/19/2038	Granted	Danimer Bioplastics, Inc.			Singapore
72972.SG	Biopolymer Coated Fiber Food Service Items	1120210360 7S	10/15/2019			10/15/2039	Pending	Danimer Bioplastics, Inc.			Singapore
72650.SG	Biodegradable Coatings based on Aqueous PHA Dispersions	1120210145 6U	8/12/2019			8/12/2039	Pending	Danimer Bioplastics, Inc.			Singapore
74008.SG	Biodegradable Profile Extruded Articles	1120210281 2X	5/30/2019			5/30/2039	Pending	Danimer Bioplastics, Inc.			Singapore

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74367.SG	PHA TERPOLYMER COMPOSITIONS	1130211283 OR	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Singapore
63908.EU	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POL YACTIC ACID POLYMER OR COPOLYMER BLENDS	2728459.5	3/15/2002	1381730.0	9/5/2012	3/15/2022	Current	Meridian, Inc.			Portugal
72279.PE	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	1949-2021	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Peru
72280.PE	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	1950-2021	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Peru
63771.M	X NUCLEATING AGENTS AND POLYHYDROXYA LKANOATES	MX/A/2007/ 003059	9/15/2005	279338.0	9/24/2010	9/15/2025		Meridian, Inc	Co-owned with Kaneka		Mexico
63908.M	X FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POL YACTIC ACID POLYMER OR COPOLYMER BLENDS	PA/A/2003/ 08883	3/15/2002	245432.0	4/27/2007	3/15/2022		Meridian, Inc			Mexico
72279.M	X PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	MX/A/2021/ 014148	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Mexico
72280.M	X Controlled Release Biodegradable Coatings for Seeds and Fertilizers	MX/A/2021/ 014159	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Mexico

INC. FR.	FR.	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
75349.M X	APPARATUS AND METHODS FOR MANUFACTURING BIODEGRADABLE, COMPOSTABLE, DRINK STRAWS FROM POLYHYDROXYA LKANOATE MATERIAL.	MX/a-2021/014269						Meredian Inc.	New WinCup Holdings Inc.		Mexico
63760.ML	GENE-SUBSTITUTED MICROORGANISMS AND PRODUCTION METHOD OF POLYESTERS USING THE SAME	PI20063521	7/24/2006			7/24/2026		Meredian, Inc.	Co-owned with Kaneka		Malaysia
72048.M Y	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	PI20190023	4/24/2019			10/26/2037	Pending	Danner Bioplastics, Inc.	Teung Holdings		Malaysia
72049.M Y	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	PI20190022	4/18/2019					Meredian Bioplastics, Inc.			Malaysia
72134.M Y	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	PI20190023	4/24/2019	MY-192037-A	7/24/2022	10/27/2037	Granted	Danner Bioplastics, Inc.			Malaysia
72279.M Y	PLA/PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	PI20210069	5/21/2020			5/21/2040	Pending	Meredian, Inc.			Malaysia
72404.M Y	Biodegradable Hot Melt Adhesives	PI20190041	1/19/2018					Danner Bioplastics, Inc.			Malaysia
72972.M Y	Biopolymer Coated Fiber Food Service Items	PI20210019	10/15/2019			10/15/2039	Pending	Danner Bioplastics, Inc.			Malaysia
73650.M Y	Biodegradable Coatings based on Aqueous PHA Dispersions	PI20210007	8/11/2019			8/11/2039		Danner Bioplastics, Inc.			Malaysia

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74908.M Y	Biodegradable Profile Extruded Articles	PI20210015 14	5/30/2019			5/30/2039	Pending	Danner Bioplastics, Inc.			Malaysia
74367.M Y	PHA TERPOLYMER COMPOSITIONS	PI20210068 84	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Malaysia
72292.MP	NODAX	A0070467	10/6/2017	1377214	10/6/2017	(Mark is renewable)	Issued	Danner Scientific Holdings, LLC			Madrid Protocol
63758.JP	METHOD FOR PRODUCING POLYHYDROXYA LKANOATE	2006-510711	3/3/2005	5059401	8/10/2012	3/3/2025	Current	Meridian, Inc.	Co-owned with Kaneka		Japan
63908.JP	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POL YACTIC ACID POLYMER OR COPOLYMER BLENDS	2002-573366	3/15/2002	4181412.0	9/5/2008	3/15/2022	Current	Meridian, Inc.			Japan
64158.JP	POLYHYDROXYA LKANOATE-BASED RESIN FOAM PARTICLE, MOLDED ARTICLE COMPRISING THE SAME AND PROCESS FOR PRODUCING THE SAME	2007-521191	4/10/2006	5014127.0	6/15/2012	4/10/2026	Current	Meridian, Inc.	Co-owned with Kaneka		Japan
64159.JP	Process For Producing Extruded Foam Of Polyhydroxyalkanoi c Resin And Extruded Foam Obtained By The Process- EUROPE	2007-510375	3/15/2006	4733694.0	4/28/2011	3/15/2026	Current	Meridian, Inc.	Co-owned with Kaneka		Japan

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IPC Class.	Title	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
64160.JP	FOAMED POLYHYDROXYA LKANOATE RESIN PARTICLES AND METHOD OF PRODUCING THE FOAMED PARTICLES	2007-510399	3/20/2006	5121446	11/22/2012	3/20/2026	Current	Meridian, Inc.	Co-owned with Kaneka		Japan
64161.JP	FOAMED THERMOPLASTIC RESIN PARTICLES AND METHOD OF PRODUCING THE FOAMED PARTICLES	2007-510400	3/20/2006	5121447	11/22/2012	3/20/2026	Current	Meridian, Inc.	Co-owned with Kaneka		Japan
64163.JP	PROCESS FOR PRODUCING EXTRUDED POLYHYDROXYA LKANOATE RESIN FOAM	2007-510374	3/15/2006	4653162	12/24/2010	3/15/2026	Current	Meridian, Inc.	Co-owned with Kaneka		Japan
64488.JP	Process For Producing Polyhydroxyalkanost e - JAPAN	2006537814	8/1/2008	5507793	3/28/2014	8/1/2028		Meridian, Inc.	Co-owned with Kaneka		Japan
64631.JP	BIODEGRADABLE RESIN COMPOSITIONS AND MOLDED OBJECTS THERE OF	2006548886	3/9/2007	5201835	2/22/2013	3/9/2027	Current	Meridian, Inc.	Co-owned with Kaneka		Japan
64650.JP	PROCESS FOR PRODUCING POLYHYDROXYA LKANOATE	2004-061289	3/4/2009			3/4/2029		Meridian, Inc.	Co-owned with Kaneka		Japan
64651.JP	PROCESS FOR PRODUCING POLYHYDROXYA LKANOATE	2004-287457	9/30/2004			9/30/2024		Meridian, Inc.	Co-owned with Kaneka		Japan
65649.JP	Process For Producing Biodegradable Film	JP2004362957	12/15/2004	4520843	8/11/2010	12/15/2024	Issued	Meridian Inc.			Japan

IPC Class.	Title	Application No.	Filing Date	Parent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
72048.JP	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	2019-545887	4/26/2019	7057368	4/11/2022	10/26/2037	Granted	Teiq Holdings, Danimer Bioplastics, Inc.	Teiq Holdings		Japan
72049.D2 JP	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYALKANOATES	2021004659 0	1/15/2021			10/18/2037	Abandoned	Meridian Bioplastics, Inc.			Japan
72049.JP	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYALKANOATES	2019521789. 0	4/18/2019			10/18/2037	Abandoned (Div. Filed)	Meridian Bioplastics, Inc.			Japan
72134.JP	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	2019522746. 0	4/26/2019			10/27/2037	Pending	Danimer Bioplastics, Inc.			Japan
72242.D1 JP	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom		5/18/2018	JP2021-052720			Pending	Danimer Bioplastics, Inc.	Henkel IP & Holding GmbH		Japan
72242.JP	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom		5/18/2018			11/16/2036	Abandoned	Danimer Bioplastics, Inc.	Henkel IP & Holding GmbH		Japan
72279.JP	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	2022-515971	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Japan
72280.JP	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	2021-11018	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Japan
72304.JP0 2	Biodegradable Hot Melt Adhesives	2022-170574	1/19/2018				Div App Filed	Danimer Bioplastics, Inc.			Japan
72304.JP	Biodegradable Hot Melt Adhesives	2019-539172	1/19/2018				Appeal Filed	Danimer Bioplastics, Inc.			Japan
72972.JP	Biopolymer Coated Fiber Food Service Items	2021-520914	10/15/2019			10/15/2039	Pending	Danimer Bioplastics, Inc.			Japan

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73650.JP	Biodegradable Coatings based on Aqueous PHA Dispersions	2021-507584	8/12/2019			8/12/2039		Danner Bioplastics, Inc.			Japan
73760.W	GENE-SUBSTITUTED MICROORGANISM S. AND PRODUCTION METHOD OF POLYESTERS USING THE SAME	JP2006/314498	7/21/2006		N/A	1/21/2009	N/A	Meridian, Inc.	Co-owned with Kaneka		Japan
74008.JP	Biodegradable Profile Extruded Articles	2021-515571	5/30/2019			5/30/2039	Pending	Danner Bioplastics, Inc.			Japan
74367.JP	PHA TERPOLYMER COMPOSITIONS	2022-515973	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Japan
63759.IT	POLYHYDROXYL ALKANOATE COPOLYMER/STAR CH COMPOSITIONS FOR LAMINATES AND FILMS	5020129020 415850	10/2/2002	1436350	3/25/2009	10/2/2022		Meridian, Inc.			Italy
63760.EP	MICROORGANISM WITH REPLACED GENE AND PROCESS FOR PRODUCING POLYESTER USING THE SAME	6781420.2	7/25/2006	2048224	6/6/2012	7/25/2026	Current	Meridian, Inc.	Co-owned with Kaneka		Italy
63771.IT	NUCLEATING AGENTS AND POLYHYDROXYA LKANOATES	5020139021 94277.0	9/15/2005	1789448.0	4/28/2010	9/15/2025	Current	Meridian, Inc.	Co-owned with Kaneka		Italy
63899.IT	BIODEGRADABLE POLYESTER BLEND COMPOSITIONS AND METHODS OF MAKING THE SAME	5020079015 513590.0	10/5/2001	1360237.0	7/4/2007	10/5/2021		Meridian, Inc.			Italy

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63908.EU	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POLYLACTIC ACID POLYMER OR COPOLYMER BLENDS	5020129021 07783.0	3/15/2002	1381720.0	9/5/2012	3/15/2022	Current	Meridian, Inc.			Italy
63548.IT2	Degradable Polymers And Method For Fracking Applications	147786792.0	3/17/2014	2970754	9/30/2020	3/17/2034	Granted	Danimer Scientific, LLC			Italy
72048.IT	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	178086310.0	10/26/2017	3532553	12/16/2020	10/26/2037	Granted	Danimer Bioplastics, Inc.	Tecmag Holdings		Italy
72242.IT	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	168679016.0	11/16/2016	3377580	8/19/2020	11/16/2036	Granted	Danimer Bioplastics, Inc.	Henkel IP & Holding GmbH		Italy
72291.IT	Adhesive Composition And Method							Danimer Scientific, LLC			Italy
72279.IT	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	288270	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Israel
72280.IT	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	288273	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Israel
72048.ID	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	PHD2019040 20	10/26/2017	IPP000682 938	9/15/2022	10/26/2037	Granted	Danimer Bioplastics, Inc.	Tecmag Holdings		Indonesia
72049.ID	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	PHD2019034 74	4/18/2019	IPP000682 403	8/10/2022	10/18/2037	Granted	Meridian Bioplastics, Inc.			Indonesia
72134.ID	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	PHD2019041 26	5/16/2019	IPP000682 640	8/22/2022	10/27/2037	Granted	Danimer Bioplastics, Inc.			Indonesia

ING. FR.	FRM.	Applicant No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
72279.ID	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	P002021111	5/21/2020				Pending	Meridian, Inc.			Indonesia
72280.ID	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	P002021114	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Indonesia
72304.ID	Biodegradable Hot Melt Adhesives	PID2019069	1/19/2018					Dannur Bioplastics, Inc.			Indonesia
72972.ID	Biopolymer Coated Fiber Food Service Items	P002021030	10/15/2019			10/15/2039	Pending	Dannur Bioplastics, Inc.			Indonesia
73650.ID	Biodegradable Coatings based on Aqueous PHA Dispersions	P002021017	8/12/2019			8/12/2039		Dannur Bioplastics, Inc.			Indonesia
74008.ID	Biodegradable Profile Extruded Articles	P002021026	5/30/2019			5/30/2039	Pending	Dannur Bioplastics, Inc.			Indonesia
74367.ID	PHA TERPOLYMER COMPOSITIONS	P002021114	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Indonesia
73048.HK	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	6201990036	10/26/2017	HK49011106	7/2/2021	10/26/2037	Granted	Meridian, Inc.			Hong Kong
72279.HK	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	6202305898	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Hong Kong
72280.HK	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	6202205899	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Hong Kong
72304.HK	Biodegradable Hot Melt Adhesives	6201990036	1/19/2018					Meridian, Inc.			Hong Kong
72972.HK	Biopolymer Coated Fiber Food Service Items	6202204766	10/15/2019			10/15/2039	Pending	Meridian, Inc.			Hong Kong

IPC Class.	Title	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
73650.HK	Biodegradable Coatings based on Aqueous PHA Dispersions		8/12/2019			8/12/2039		Meridian, Inc.			Hong Kong
74008.HK	Biodegradable Profile Extruded Articles	6202204581 7	5/30/2019			5/30/2039	Pending	Meridian, Inc.			Hong Kong
74367.HK	PHA TERPOLYMER COMPOSITIONS	6202205899 4	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Hong Kong
63759.GB	POLYHYDROXYL ALKANANOATE COPOLYMER/STARCH COMPOSITIONS FOR LAMINATES AND FILMS	27761014	10/2/2002	1436350	3/25/2009	10/2/2022		Meridian, Inc.			Great Britain
63760.EP	MICROORGANISM WITH REPLACED GENE AND PROCESS FOR PRODUCING POLYESTER USING THE SAME	67814202	7/25/2006	2048224	6/6/2012	7/25/2026	Current	Meridian, Inc.	Co-owned with Kaneka		Great Britain
63771.GB	NUCLEATING AGENTS AND POLYHYDROXYALKANANOATES	57964173	9/15/2005	17894480	4/28/2010	9/15/2025	Current	Meridian, Inc.	Co-owned with Kaneka		Great Britain
63899.GB	BIODEGRADABLE POLYESTER BLEND COMPOSITIONS AND METHODS OF MAKING THE SAME	19799519	10/5/2001	13602370	7/4/2007	10/5/2021		Meridian, Inc.			Great Britain
63908.EU	FIBERS COMPRISING POLYHYDROXYALKANOATE COPOLYMER/POLYLACTIC ACID COPOLYMER OR BLENDS	27284595	3/15/2002	13817200	9/5/2012	3/15/2022		Meridian, Inc.			Great Britain

IPC Class.	Title	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
64608.GB	FILMS COMPRISING BIODEGRADABLE PHA COPOLYMERS	99966161.4	12/13/1999	141099.0	4/2/2003	12/13/2019	Granted	Meridian, Inc.			Great Britain
65548.GB	Degradable Polymers And Method For Etching Applications	147786792.0	3/17/2014	2970734	9/30/2020	3/17/2034	Granted	Danner Scientific, LLC			Great Britain
73048.GB	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	178086310.0	10/26/2017	3332533	12/16/2020	10/26/2037	Granted	Danner Bioplastics, Inc.	Teung Holdings		Great Britain
72242.GB	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	168670016.0	11/16/2016	3377580	8/19/2020	11/16/2036	Granted	Danner Bioplastics, Inc.	Henkel IP & Holding GmbH		Great Britain
63759.DE	POLYHYDROXYL ALKANOATE COPOLYMER/STARCH COMPOSITIONS FOR LAMINATES AND FILMS	2776101.4	10/2/2002	60231732	3/25/2009	10/2/2022		Meridian, Inc.			Germany
63771.DE	NUCLEATING AGENTS AND POLYHYDROXYALKANOATES	3796417.3	9/15/2005	602065030 946.8	4/28/2010	9/15/2025	Current	Meridian, Inc.	Co-owned with Kaneka		Germany
63899.DE	BIODEGRADABLE POLYESTER BLEND COMPOSITIONS AND METHODS OF MAKING THE SAME	1979951.9	10/5/2001	60129252.9	7/4/2007	10/5/2021		Meridian, Inc.			Germany
63908.EU	FIBERS COMPRISING POLYHYDROXYALKANOATE COPOLYMER/POLYLACTIC ACID COPOLYMER OR BLENDS	2728459.5	3/15/2002	602.43 652.4	9/5/2012	3/15/2022	Current	Meridian, Inc.			Germany

IPC Class.	Title	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
65548.DE 2	Degradable Polymers And Method For Fracking Applications	147786792.0	3/17/2014	2970754	9/30/2020	3/17/2034	Granted	Danner Scientific, LLC			Germany
72048.DE	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	178086310.0	10/26/2017	3532553	12/16/2020	10/26/2037	Granted	Danner Bioplastics, Inc.	Teinig Holdings		Germany
72242.DE	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	168679016.0	11/16/2016	3377580	8/19/2020	11/16/2036	Granted	Danner Bioplastics, Inc.	Henkel IP & Holding GmbH		Germany
72291.DE	Adhesive Composition And Method							Meridian, Inc.			Germany
63759.FR	OLYHYDROXYLA LKANOATE COPOLYMER/STARICH COMPOSITIONS FOR LAMINATES AND FILMS	2776101.4	10/22/2002	1436350	3/25/2009	10/22/2022		Meridian, Inc.			France
63760.FR	MICROORGANISM WITH REPLACED GENE AND PROCESS FOR PRODUCING POLYESTER USING THE SAME	6781420.2	7/25/2006	2048224	6/6/2012	7/25/2026	Current	Meridian, Inc.	Co-owned with Kaneka		France
63771.FR	NUCLEATING AGENTS AND POLYHYDROXYLA LKANOATES	5796417.3	9/15/2005	1789448.0	4/28/2010	9/15/2025	Current	Meridian, Inc.	Co-owned with Kaneka		France
63899.FR	BIODEGRADABLE POLYESTER BLEND COMPOSITIONS AND METHODS OF MAKING THE SAME	1979951.9	10/5/2001	1360257.0	7/4/2007	10/5/2021		Meridian, Inc.			France

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63908.EU	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POLYLACTIC ACID POLYMER OR COPOLYMER BLENDS	2728459.5	3/15/2002	1381720.0	9/5/2012	3/15/2022	Granted	Meridian, Inc.			France
63548.FR 2	Biodegradable Polymers And Method For Fracking Applications	147786792.0	3/17/2014	2970754	9/30/2020	3/17/2034	Granted	Danimer Scientific, LLC			France
72048.FR	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	178086310.0	10/26/2017	3532553	12/16/2020	10/26/2037	Granted	Danimer Bioplastics, Inc.	Teconq Holdings		France
72242.FR	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	168679016.0	11/16/2016	3377580	8/19/2020	11/16/2036	Granted	Danimer Bioplastics, Inc.	Henkel IP & Holding GmbH		France
72291.FR	Adhesive Composition And Method							Danimer Scientific, LLC			France
72049.EP	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	178049789.0	4/18/2019			10/18/2037	Pending	Meridian, Inc.			European Patent Office
72134.EP	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	178359592.0	5/16/2019			10/27/2037	Pending	Meridian, Inc.			European Patent Office
72242.EP	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	168679016.0	11/16/2016	3377580	8/19/2020	11/16/2036	Granted	Danimer Bioplastics, Inc.	Henkel IP & Holding GmbH		European Patent Office
72279.EP	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	20731758.9	5/21/2020			5/21/2040	Pending	Meridian, Inc.			European Patent Office
72280.EP	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	20731759.7	5/21/2020			5/21/2040	Pending	Meridian, Inc.			European Patent Office

INC. FILE	FILE	Application No.	Filing Date	Parent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
63760-CN 2	Microorganisms With Replaced Gene And Process For Producing Polyester Using The Same (Divisional of CN 20068905541.8)	2015103335 232.0					Abandoned	Meridian, Inc.	Co-owned with Kanaka		China P.R.
63771-CN	NUCLEATING AGENTS AND POLYHYDROXYA LKANOATES	2005800311 36.8	9/15/2005	200580031 136.8	12/1/2010	9/15/2025	Current	Meridian, Inc.	Co-owned with Kanaka		China P.R.
63899-CN	BIODEGRADABLE POLYESTER BLEND COMPOSITIONS AND METHODS OF MAKING THE SAME	1476467.0	10/5/2001	1476467.0	2/27/2012	10/5/2021	Current	Meridian, Inc.			China P.R.
63908-CN	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POLYLACTIC ACID POLYMER OR COPOLYMER BLENDS	2808028.9	3/15/2002	2808028.9	3/29/2006	3/15/2022	Current	Meridian, Inc.			China P.R.
72048-CN	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION		6/26/2019			10/26/2037	Pending	Danner Bioplastics, Inc.	Tecniq Holdings		China P.R.
72049-CN 02	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	2052111288 500.0	10/18/2017			10/18/2037	Pending	Meridian Bioplastics, Inc.			China P.R.
72049-CN	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	2017890701 018.0	10/18/2017			N/A--Abd	Abandoned	Meridian, Inc.			China P.R.
72134-CN 2	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	2022101480 886.0	10/27/2017			10/27/2037	Pending	Meridian, Inc.			China P.R.

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72134-CN	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	2017800723 4260	10/27/2017				10/27/2037	Abd (Div Filed)			China P.R.
72279-CN	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	20208E+12	5/21/2020				5/21/2040	Pending			China P.R.
72280-CN	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	20208E+12	5/21/2020				5/21/2040	Pending			China P.R.
73104-CN	Biodegradable Hot Melt Adhesives	20188E+12	1/19/2018	ZL2018860 137072	5/3/2022		1/19/2038	Granted			China P.R.
72972-CN	Biopolymer Coated Fiber Food Service Items	2019800766 670	10/15/2019				10/15/2039	Pending			China P.R.
72650-CN	Biodegradable Coatings based on Aqueous PHA Dispersions	2019800671 1340	8/12/2019				8/12/2039	Pending			China P.R.
74008-CN	Biodegradable Profile Extruded Articles	2019800761 61X	5/30/2019				5/30/2039	Pending			China P.R.
74367-CN	PHA TERPOLYMER COMPOSITIONS	20208E+12	5/21/2020				5/21/2040	Pending			China P.R.
72279-CL	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	202103107	5/21/2020				5/21/2040	Pending			Chile
72280-CL	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	202103108	5/21/2020				5/21/2040	Pending			Chile
63759-CA	POLYHYDROXYL ALKANOATE COPOLYMER/STARCH COMPOSITIONS FOR LAMINATES AND FILMS	24638060	10/2/2002	2463806	12/11/2007		10/2/2022	Current			Canada

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63771.CA	NUCLEATING AGENTS AND POLYHYDROXYA LKANOATES	2580603.0	9/15/2005	2580603.0	12/20/2011	9/15/2025	Current	Meridian, Inc.	Co-owned with Kaneka		Canada
63900.CA	BIODEGRADABLE COATED SUBSTRATES	2410457.0	6/8/2001	2410457.0	3/2/2010	6/8/2021	Current	Meridian, Inc.			Canada
72048.CA	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	3041803.0	4/25/2019			10/26/2037	Pending	Danner Bioplastics, Inc.	Tecon Holdings		Canada
72049.CA	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	3041259.0	4/18/2019			10/18/2037	Pending	Meridian, Inc.			Canada
72134.CA	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	3041680.0	10/27/2017			10/27/2037	Pending	Meridian, Inc.			Canada
72242.CA	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	3085734.0	11/16/2016	3085734	5/10/2022	11/16/2036	Granted	Danner Bioplastics, Inc.	Henkel IP & Holding GmbH		Canada
72279.CA	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	3141714.0	5/21/2020			5/21/2030	Pending	Meridian, Inc.			Canada
72280.CA	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	3,141,715	5/21/2020			5/21/2030	Pending	Meridian, Inc.			Canada
72304.CA	Biodegradable Hot Melt Adhesives	3050882.0	1/19/2018					Meridian, Inc.			Canada
72972.CA	Biopolymer Coated Fiber Food Service Items	3115814	10/15/2019			10/15/2039	Pending	Meridian, Inc.			Canada
72650.CA	Biodegradable Coatings based on Aqueous PHA Dispersions	3109512.0	8/12/2019			8/12/2039		Meridian, Inc.			Canada
72008.CA	Biodegradable Profile Extruded Articles	3113395.0	5/30/2019			5/30/2039	Pending	Meridian, Inc.			Canada

INC. FR.	FR.	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
73367/CA	PHA TERPOLYMER COMPOSITIONS	3,141,717	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Canada
73349/CA	APPARATUS AND METHODS FOR MANUFACTURING BIODEGRADABLE, COMPOSTABLE, DRINK STRAWS FROM POLYHYDROXYA LKANOATE MATERIAL	3138614						Meridian Inc.	New WinCup Holdings Inc.		Canada
63759/BR	POLYHYDROXYL ALKANOATE COPOLYMER/STARCH COMPOSITIONS FOR LAMINATES AND FILMS	PI0213422-5	10/2/2002	PI0213422-5	11/27/2012	10/2/2022		Meridian, Inc.			Brazil
63771/BR	Nucleating Agents And Polyhydroxyalkanoate est-BRAZIL	PI05152461	9/15/2005	PI0515246 1-1	2/23/2021	9/15/2025	Granted	Meridian, Inc.	Co-owned with Kaneka		Brazil
63908/BR	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POLYACTIC ACID POLYMER OR COPOLYMER BLENDS	PI0208376-0	3/15/2002	PI0208376-0	4/27/2007	3/15/2022		Meridian, Inc.			Brazil
73048/BR	RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION	BR1120190 084061	4/25/2019			10/26/2037	Pending	Danner Bioplastics, Inc.	Teening Holdings		Brazil
73049/BR	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	BR1120190 079009	4/17/2019			10/18/2037	Pending	Meridian Bioplastics, Inc.			Brazil
72134/BR	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	BR1120190 084533	4/26/2019			10/27/2037	Pending	Danner Bioplastics, Inc.			Brazil

ING. FR.	FRM.	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
72279-BR	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	BR1120210 23427-6	5/21/2020			5/21/2030	Pending	Meridian, Inc.			Brazil
72280-BR	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	BR1120210 23528-0	5/21/2020			5/21/2030	Pending	Meridian, Inc.			Brazil
72304-BR	Biodegradable Hot Melt Adhesives	BR1120190 14926-0	1/19/2018					Danimer Bioplastics, Inc.			Brazil
72972-BR	Biopolymer Coated Fiber Food Service Items	BR1120210 06806-6	10/15/2019			10/15/2039	Pending	Danimer Bioplastics, Inc.			Brazil
73650-BR	Biodegradable Coatings based on Aqueous PHA Dispersions	BR1120210 02701-7	8/12/2019			8/12/2039		Danimer Bioplastics, Inc.			Brazil
74008-BR	Biodegradable Profile Extruded Articles	BR1120210 05301-8	5/30/2019			5/30/2039	Pending	Danimer Bioplastics, Inc.			Brazil
74367-BR	PHA TERPOLYMER COMPOSITIONS	BR1120210 23503-5	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Brazil
72048-AU	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	2017348093 0	10/26/2017	201734809 3	4/7/2022	10/26/2037	Granted	Meridian, Inc.			Australia
72049-AU	CRYSTAL NUCLEATING AGENTS FOR POLYHYDROXYA LKANOATES	2017346790 0	4/18/2019	201734679 0	12/9/2021	10/18/2037	Granted	Meridian, Inc.			Australia
72134-AU	POLYMER COMPOSITIONS WITH PBSA PLASTICIZER	2017348287 0	10/27/2017	201734828 7	5/12/2022	10/27/2037	Granted	Meridian, Inc.			Australia
72242-AU	Polymer Compositions And Hot-Melt Adhesives Formed Therefrom	2016355420 0	11/16/2016	201635542 0	11/14/2019	11/16/2036	Granted	Danimer Bioplastics, Inc.	Henkel IP & Holding GmbH		Australia

ING. FR.	FR.	Application No.	Filing Date	Parent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Chain of Title	Jurisdiction
72779.AU	PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	2020283805	5/21/2020			5/21/2030	Pending	Meridian, Inc.			Australia
72280.AU	Controlled Release Biodegradable Coatings for Seeds and Fertilizers	2020283633	5/21/2020			5/21/2030	Pending	Meridian, Inc.			Australia
72304.AU	Biodegradable Hot Melt Adhesives	2018210251	1/19/2018				Pending	Meridian, Inc.			Australia
72972.AU	Biopolymer Coated Fiber Food Service Items	2019360934	10/15/2019			10/15/2039	Pending	Meridian, Inc.			Australia
72650.AU	Biodegradable Coatings based on Aqueous PHA Dispersions	2019321280	8/12/2019			8/12/2039		Meridian, Inc.			Australia
74008.AU	Biodegradable Profile Extruded Articles	2019344351	5/30/2019			5/30/2039	Pending	Meridian, Inc.			Australia
74367.AU	PHA TERPOLYMER COMPOSITIONS	2020284239	5/21/2020			5/21/2040	Pending	Meridian, Inc.			Australia
65548.EP	Degradable Polymers And Method For Fracking Applications	147786792.0	3/17/2014	2970754	9/30/2020	3/17/2034	Granted	Danner Scientific, LLC			Europe
73048.CN	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	2022114463	11/18/2022					Danner Bioplastics, Inc.	Tecniq Holdings		China
73048.EP	RENEWABLE BIODEGRADABLE MARKING WAX COMPOSITION	178086310.0	10/26/2017	332253	12/16/2020	10/26/2037	Matured	Meridian, Inc. /Danner Bioplastics, Inc.	Tecniq Holdings		Europe
72304.EP	Biodegradable Hot Melt Adhesives	187041124	1/19/2018					Meridian, Inc.			Europe
72972.EP	Biopolymer Coated Fiber Food Service Items	197975014	10/15/2019			10/15/2039	Pending	Meridian, Inc.			Europe

Patent No.	Class	Applicant	Filing Date	Pub. No.	Pub. Date	Exp. Date	Status	Ownership	Co-owned?	Jurisdiction	Published?
63726/US	METHOD FOR PRODUCING POLYHYDROXYA LKANOATE CRYSTAL	10/992133	11/19/2004	7098298	8/29/2006	11/19/2024	Current	Meridian, Inc	Co-owned with Kaneka	United States	Yes
63733/US	MOLDED OR EXTRUDED ARTICLES COMPRISING POLYHYDROXYA LKANOATE COPOLYMER AND AN ENVIRONMENTAL LY DEGRADABLE THERMOPLASTIC POLYMER.	10/431796	5/8/2003	7098292	8/29/2006	8/16/2024	Current	Meridian, Inc		United States	Yes
63743/CI	BIODEGRADABLE POLYHYDROXYA LKANOATE COPOLYMERS HAVING IMPROVED CRYSTALLIZATIO N PROPERTIES	10/600501	6/20/2003	6825285	11/30/2004	6/20/2023	Current	Meridian, Inc.		United States	Yes
63752/CI	METHOD FOR MAKING BIODEGRADABLE POLYHYDROXYA LKANOATE COPOLYMERS HAVING IMPROVED CRYSTALLIZATIO N PROPERTIES	10/600493	6/20/2003	6838037	1/4/2005	12/20/2021	Current	Meridian, Inc		United States	Yes
63759/US	POLYHYDROXYL ALKANOATE COPOLYMER/STARCH COMPOSITIONS FOR LAMINATES AND FILMS	10/60042	2/19/2002	7077994	7/18/2006	2/26/2024	Current	Meridian, Inc		United States	Yes

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63760.US	GENE-SUBSTITUTED MICROORGANISM S. AND PRODUCTION METHOD OF POLYESTERS USING THE SAME	11/492756	7/24/2006	7384766	6/10/2008	7/26/2026	Current	Meridian, Inc. and Kaneka Corporation	Co-owned with Kaneka	United States	Yes
63771.US	NUCLEATING AGENTS AND POLYHYDROXYA LKANOATES	11/224805	9/13/2005	7301080.0	11/27/2007	9/13/2025	Current	Meridian, Inc. and Kaneka Corporation	Co-owned with Kaneka	United States	Yes
63908.US	FIBERS COMPRISING POLYHYDROXYA LKANOATE COPOLYMER/POL YACTIC ACID POLYMER OR COPOLYMER BLENDS	10/051723	1/17/2002	6905987.0	6/14/2005	3/25/2022	Current	Meridian, Inc		United States	Yes
64006.C1	AGRICULTURAL ITEMS AND AGRICULTURAL METHODS COMPRISING BIODEGRADABLE COPOLYMERS	10/309997	12/4/2002	6903053.0	6/7/2005	6/8/2021	Current	Meridian, Inc.		United States	Yes
64158.US	POLYHYDROXYA LKANOATE-BASED RESIN FOAM PARTICLE, MOLDED ARTICLE COMPRISING THE SAME AND PROCESS FOR PRODUCING THE SAME	11/911552	4/10/2006	8076381.0	12/13/2011	4/10/2026	Current	Meridian, Inc	Co-owned with Kaneka	United States	Yes
64161.US	FOAMED THERMOPLASTIC RESIN PARTICLES AND METHOD OF PRODUCING THE FOAMED PARTICLES	11/909717	3/20/2006	8148439	4/3/2012	1/6/2028	Current	Meridian, Inc	Co-owned with Kaneka	United States	Yes

INC. #	Title	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Jurisdiction	Published?
73048.US	Renewable, Biodegradable Marking Wax Composition	15/794,093	10/26/2017	11001727	5/11/2021	5/24/2039	Issue Notice.	Meridian, Inc.		United States	Yes
73049.US	Crystal Nucleating Agents for Polyhydroxyalkanoate ^s	15/786,848	10/18/2017			10/21/2037	Allowed	Meridian, Inc.		United States	Yes
72134.C1 US	Polymer Compositions With PBSA Plasticizer	16/575,998	10/27/2017	11053359	7/6/2021	10/27/2037	Granted	Meridian Inc.		United States	Yes
72134.US	Polymer Compositions With PBSA Plasticizer	15/795,352	10/27/2017			11/5/2037	Allowed	Meridian, Inc.		United States	Yes
72242.US	POLYMER COMPOSITIONS AND HOT-MELT ADHESIVES FORMED THEREFROM	15/776,893	5/17/2018	10793757	10/6/2020	3/25/2037	Granted	Meridian, Inc. and Henkel AG & CO, KGAA	Henkel IP & Holding GmbH	United States	Yes
72304.US	Biodegradable Hot Melt Adhesives	15/874,964	1/19/2018			1/19/2038	Published	Meridian, Inc.		United States	Yes
72972.US	Biopolymer Coated Fiber Food Service Items	16/601,621	10/15/2019			10/15/2039	Pending	Meridian, Inc.		United States	Yes
73650.US	Biodegradable Coatings based on Aqueous PHA Dispersions	16/537,800	8/12/2019			8/12/2039	Pending	Meridian, Inc.		United States	Yes
74008.US	Biodegradable Profile Extruded Articles	16/426,333	5/30/2019			5/30/2039	Pending	Meridian, Inc.		United States	Yes
74785.US	Method of Recovering PHAs from a Biomass	17/891,435	8/19/2022				Pending	Meridian, Inc.		United States	Yes
75066.US	Polyester Impact Modifiers	17/744,109	5/13/2022				Pending	Meridian, Inc.		United States	Yes
75176.US	Biobased Material for Consumer Goods Packaging	17/385,120	7/16/2021			7/16/2031	Pending	Meridian, Inc.		United States	Yes
75691.US	Biodegradable Containers and Resin Therefor	17/482,751	9/23/2021				Pending	Meridian, Inc.		United States	Yes
75092.US	Biodegradable Container Closure and Resin Therefor	17/482,756	9/23/2021				Pending	Meridian, Inc.		United States	Yes

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75093.US	Biodegradable Labels and Resin Therefor	17/482,798	9/23/2021				Pending	Meridian, Inc.		United States	Yes
75349.US	APPARATUS AND METHODS FOR MANUFACTURING BIODEGRADABLE, COMPOSTABLE, DRINK STRAWS FROM POLYHYDROXYALKANOATE MATERIAL	16/879,516	5/20/2020					Meridian Inc.	New WinCup Holdings Inc.	United States	Yes
75356.US	Pre-Forms for Masking Biodegradable Containers and Perfumns Therefor	17/482,867	9/23/2021				Pending	Meridian, Inc.		United States	Yes
75620.US	Home Compostable & Degradable Extrusion Coated Substrates	17/691,291	3/10/2022				Pending	Meridian, Inc.		United States	Yes
76010.US	MULTILAYER FILM STRUCTURES USING POLY(3-HYDROXYPROPIONATE)	17/877,291	7/29/2022			7/29/2042	Pending	Meridian, Inc.		United States	Yes
76011.US	BIOPOLYMER COMPOSITIONS INCORPORATING POLY(3-HYDROXYPROPIONATE)	17/876,663	7/29/2022			7/29/2042	Pending	Meridian, Inc.		United States	Yes
76016.US	Production of Binodal Molecular Weight Poly(hydroxyalkanoates)	17/876,921	7/29/2022			7/29/2042	Pending	Meridian, Inc.		United States	Yes
76017.US	POLY(LACTIC ACID) BLENDS HAVING IMPROVED CRYSTALLIZATION	17/876,752	7/29/2022			7/29/2042	Pending	Meridian, Inc.		United States	Yes

ING File	Title	Application No.	Filing Date	Patent No.	Issue Date	Expir Date	Status	Ownership	Co-owned?	Jurisdiction	Published?
n/a	OAR polynucleotides, polypeptides and their use in PHA production in plants	10/024,806	3/7/24	6896401	38/79	44/30	Current	Meridian, Inc.	Co-owned with DuPont	United States	Yes
n/a	OAR polynucleotides, polypeptides and their use in PHA production in plants	10/926499	3/8/25	7129395	39/21	44/28	Current	Meridian, Inc.	Co-owned with DuPont	United States	Yes

ING File	Title	Application No.	Filing Date	Patent No.	Issue Date	Expir Date	Status	Ownership	Co-owned?	Jurisdiction	Published?
63730.US	MOLDED OR EXTRUDED ARTICLES COMPRISING POLYHYDROXYA LKANOATE COPOLYMER COMPOSITIONS HAVING SHORT ANNEALING CYCLE TIMES	10/431797	5/8/2003	6706942	31/6/2004	5/8/2023	Current	Meridian Bioplastics, Inc.		United States	Yes
63741.C1	METHOD OF AND ITEMS FOR REDUCING LATEX EXPOSURE	10/369991	12/4/2002	7166343	1/23/2007	6/8/2021	Current	Meridian Bioplastics, Inc.		United States	Yes

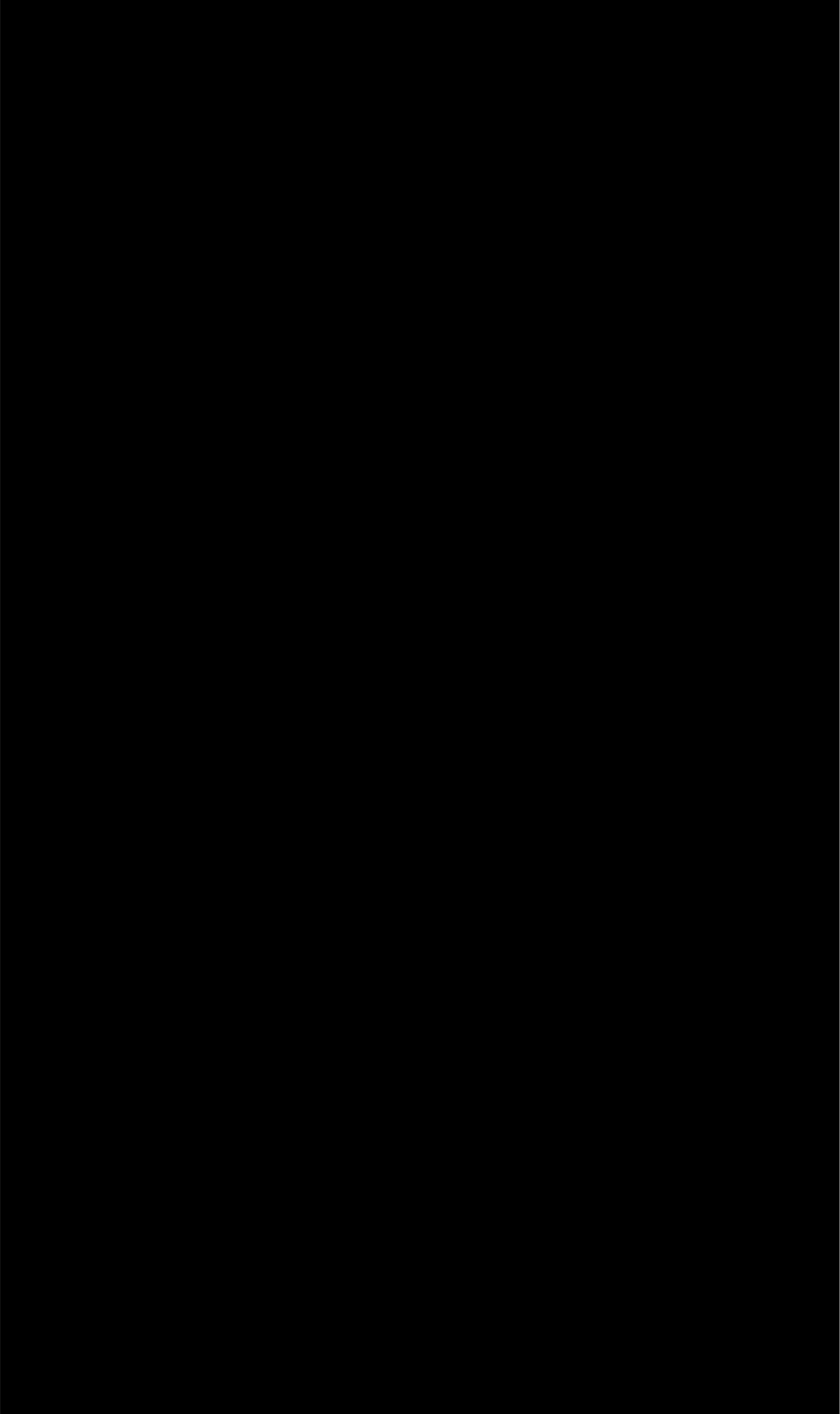
INC. FR.	TRM.	Application No.	Filing Date	Patent No.	Term Date	Exp. Date	Status	Ownership	Co-owned?	Jurisdiction	Published?
63899.US	BIODEGRADABLE POLYESTER BLEND COMPOSITIONS AND METHODS OF MAKING THE SAME	10/407301	6/29/2005	7265188.0	6/5/2019	6/29/2025	Current	Meridian Bioplastics, Inc.		United States	Yes
64006.US	POLYHYDROXYA LKANOATE COPOLYMER AND POLYLACTIC ACID POLYMER COMPOSITIONS FOR LAMINATES AND FILMS	10/051724	11/7/2002	6808795.0	10/26/2004	2/19/2022	Current	Meridian Bioplastics, Inc.		United States	Yes
74685.US	Antimicrobial Biodegradable Compositions for Food Contact Articles	17/198,793	3/11/2021				Pending	Meridian Bioplastics, Inc.		United States	Yes
n/a	PRODUCTION OF POLYHYDROXYA LKANOATE IN PLANTS	11/487,811	7/17/2006	7341836	3/11/2008			Meridian, Inc.			United States
n/a	OAR POLYNUCLEOTIDES, POLYPEPTIDES AND THEIR USE IN PHA PRODUCTION IN PLANTS	11/521,157	9/14/2006	7361807	4/22/2008			Meridian, Inc.			United States
n/a	BIODEGRADABLE COPOLYMERS AND PLASTIC ARTICLES COMPRISING BIODEGRADABLE COPOLYMERS	08/422,009	4/13/1995	5489470	2/6/1996			Meridian, Inc.			United States
n/a	BIODEGRADABLE COPOLYMERS AND PLASTIC ARTICLES COMPRISING BIODEGRADABLE COPOLYMERS	08/422,008	4/13/1995	5498692	3/12/1996			Meridian Bioplastics, Inc.			United States

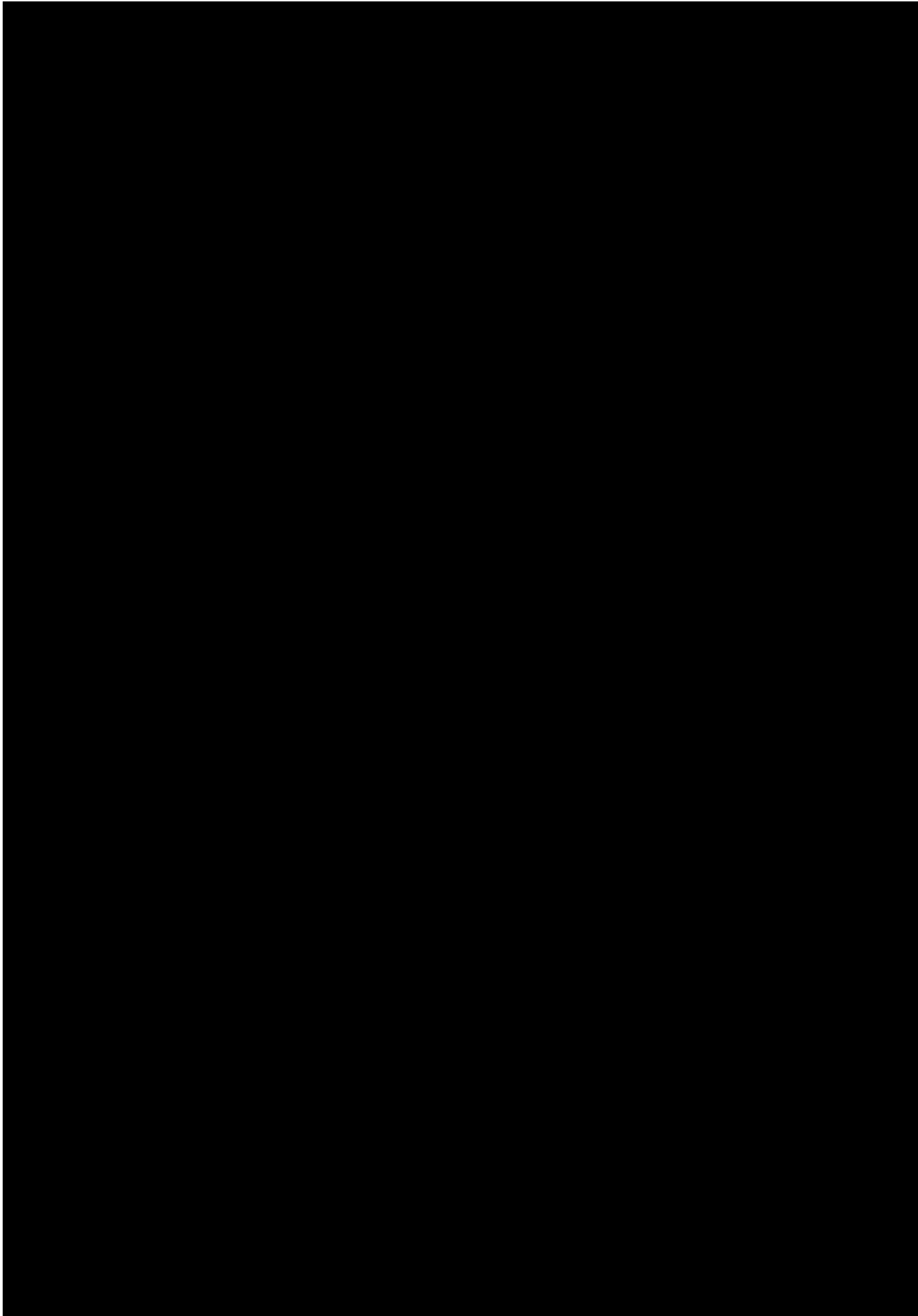
INC. FR.	FR.	Application No.	Filing Date	Patent No.	Term Date	Expiry Date	Status	Overship	Co-owned?	Jurisdiction	Published?
n/a	BIODEGRADABLE COPOLYMERS	08/522,427	8/30/1995	5602227	2/11/1997			Meridian, Inc.			United States
n/a	BIODEGRADABLE COPOLYMERS AND PLASTIC ARTICLES COMPRISING BIODEGRADABLE COPOLYMERS	08/465,046	6/6/1995	5618855	4/8/1997			Meridian Bioplastics, Inc.			United States
n/a	SPRAY PROCESSES USING A GASEOUS FLOW FOR PREPARING BIODEGRADABLE FIBRILS, NONWOVEN FABRICS COMPRISING BIODEGRADABLE FIBRILS, AND ARTICLES COMPRISING SUCH NONWOVEN FABRICS	08/467,255	6/6/1995	5653930	8/5/1997			Meridian, Inc.			United States
n/a	NONWOVEN MATERIALS COMPRISING BIODEGRADABLE COPOLYMERS	08/608,233	2/28/1996	5685736	11/11/1997			Meridian, Inc.			United States
n/a	BIODEGRADABLE POLYMERIC COMPOSITIONS AND PRODUCTS THEREOF	08/398,066	9/16/1994	5839467	8/17/1999			Meridian Bioplastics, Inc.			United States

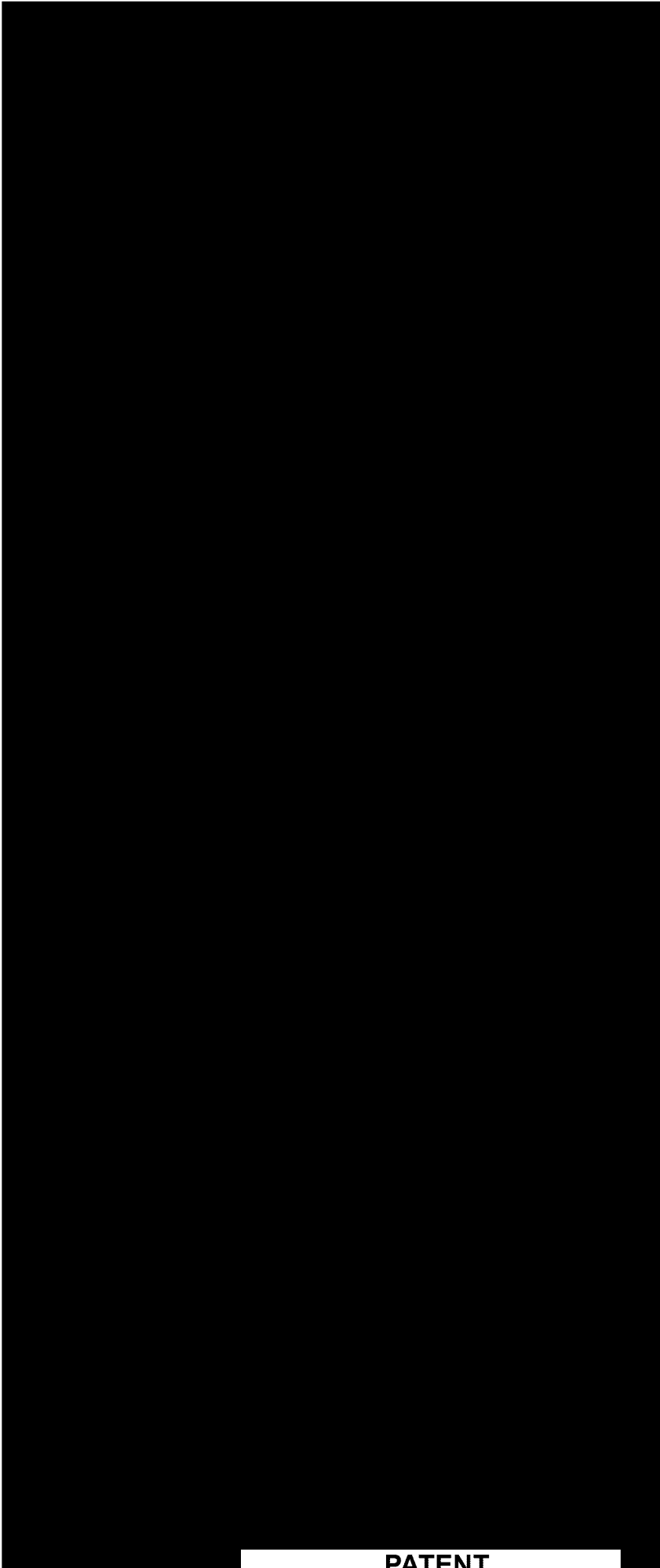
INC FR#	FR#	Application No.	Filing Date	Patent No.	Term Date	Expiry Date	Status	Overship	Co-owned?	Jurisdiction	Published?
n/a	FILMS AND ABSORBENT ARTICLES COMPRISING A BIODEGRADABLE POLYHYDROXYA LKANOATE COMPRISING 3-POLYHYDROXYB UTYRATE AND 3-POLYHYDROXYH EXANOATE COMONOMER UNITS	08/684,007	7/23/1996	5890271	11/23/1999			Meridian, Inc.			United States
n/a	FIBERS, NONWOVEN FABRICS, AND ABSORBENT ARTICLES COMPRISING A BIODEGRADABLE POLYHYDROXYA LKANOATE COMPRISING 3-HYDROXYBUTYR ATE AND 3-HYDROXYHEXAN OATE	08/593,027	1/29/1996	6013590	1/11/2000			Meridian, Inc.			United States
n/a	FILMS AND ABSORBENT ARTICLES COMPRISING A BIODEGRADABLE POLYHYDROXYA LKANOATE COMPRISING 3-POLYHYDROXYB UTYRATE AND 3-POLYHYDROXYH EXANOATE COMONOMER UNITS	08/854,115	05/09/1997	6027787	02/22/2000			Meridian, Inc.			United States
n/a	BIODEGRADABLE PHA COPOLYMERS	09/217,734	12/21/1998	6077931	6/20/2000			Meridian, Inc.			United States

INC. FILE	FILE	Application No.	Filing Date	Patent No.	Term Date	Expiry Date	Status	Ownership	Co-owned?	Jurisdiction	Published?
n/a	ABSORBENT ARTICLES COMPRISING BIODEGRADABLE PHA COPOLYMERS	09/218,122	12/21/1998	6160199	12/12/2000			Meridian, Inc.			United States
n/a	FILMS COMPRISING BIODEGRADABLE PHA COPOLYMERS	09/218,133	12/21/1998	6174980	1/16/2001			Meridian, Inc.			United States
n/a	POLYHYDROXYA LKANOATE SYNTHASE GENES	09/672,749	9/28/2000	6475734	11/5/2002			Meridian, Inc.			United States
	PLASTIC ARTICLES COMPRISING BIODEGRADABLE PHA COPOLYMERS	09/710,222	11/10/2000	6569990	5/27/2003			Meridian, Inc.	Co-owned with DuPont		United States
	POLYMER PRODUCTS COMPRISING SOFT AND ELASTIC BIODEGRADABLE POLYHYDROXYA LKANOATE COPOLYMER COMPOSITIONS AND METHODS OF PREPARING SUCH POLYMER PRODUCTS	10/111,497	10/27/2000	6794023	9/21/2004			Meridian, Inc.			United States
	METHODS FOR PREPARING SOFT AND ELASTIC BIODEGRADABLE POLYHYDROXYA LKANOATE COPOLYMER COMPOSITIONS AND POLYMER PRODUCTS COMPRISING SUCH COMPOSITIONS	10/111,498	10/27/2000	6821612	11/23/2004			Meridian, Inc.			United States

INC. FILE	FILE	Application No.	Filing Date	Patent No.	Term Date	Expiry Date	Status	Overship	Co-owned?	Jurisdiction	Published?
	SOLVENT EXTRACTION OF POLYHYDROXYA LKANOATES FROM BIOMASS	11/169,448	6/29/2005	7226765	6/5/2007			Meridian, Inc.	Co-owned with Kaneka		United States
	PROCESS FOR THE SOLVENT-BASED EXTRACTION OF POLYHYDROXYA LKANOATES FROM BIOMASS	11/169450	6/29/2005	7378266	5/27/2008			Meridian, Inc.	Co-owned with Kaneka		United States
	PRODUCTION OF POLYHYDROXYA LKANOATE IN PLANTS	10/069,281	9/11/2002	7176349	2/13/2007			Meridian, Inc.	Co-owned with DuPont		United States
	CONTROLLED RELEASE BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	16/886106	5/21/2020					Meridian, Inc.			United States
	PHA TERPOLYMER COMPOSITIONS	16/886135	5/21/2020					Meridian, Inc.			United States
	N/A	11/358115						Meridian, Inc.	Co-owned with Kaneka		United States







Trademarks

Trademark	Jurisdiction	App. No.	Filing Date	Reg. No.	Registered Date	Owner
AGROFACTURE	EUIPO	14104855	5/21/2015	14,104,855	Sep. 24, 2015	Danimer Scientific Holdings, LLC
AGROFACTURING	EUIPO	14104848	5/21/2015	14,104,848	Nov. 18, 2015	Danimer Scientific Holdings, LLC
AVIO	WIPO Madrid (parent)	A0112784	8/23/2021	1 618 694	Aug. 23, 2021	Danimer Scientific Holdings, LLC
AVIO	EM (via WIPO Madrid)	A0112784	8/23/2021	1 618 694	Aug. 23, 2021	Danimer Scientific Holdings, LLC
AVIO	CN (via WIPO Madrid)	A0112784	8/23/2021	1 618 694	Aug. 23, 2021 (SOGP dated 06/08/2022)	Danimer Scientific Holdings, LLC
AVIO	GB (via WIPO Madrid)	A0112784	6/30/2022			Danimer Scientific Holdings, LLC
AVIO	KR (via WIPO Madrid)	A0112784	6/30/2022			Danimer Scientific Holdings, LLC
DANIMER	United States	87/300,999	1/13/2017	5,383,826	Jan. 23, 2018	Danimer Scientific Holdings, LLC
DANIMER	WIPO Madrid (parent)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	AU (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	BR (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	CA (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	CL (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	EM (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	GB (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	IN (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	ID (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	JP (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	KR (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	MY (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	MX (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC

Trademark	Jurisdiction	App. No.	Filing Date	Reg. No.	Registered Date	Owner
DANIMER	NZ (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	TH (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER	VN (via WIPO Madrid)	A0125081	7/13/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	WIPO Madrid (parent)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	AU (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	BR (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	CA (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	CL (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	EM (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	GB (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	IN (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	ID (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	JP (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	KR (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	MY (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	MX (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	NZ (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	TH (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
DANIMER SCIENTIFIC	VN (via WIPO Madrid)	A0125350	7/20/2022			Danimer Scientific Holdings, LLC
MEREDIAN	United States	87/301,290	1/13/2017	5,558,335	Sep. 11, 2018	Danimer Scientific Holdings, LLC
NODAX	United States	87/402,878	4/7/2017	5,487,797	Jun. 05, 2018	Danimer Scientific Holdings, LLC
NODAX	WIPO Madrid (parent)	W01377214	10/6/2017	1377214	Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	EM (via WIPO Madrid)	13629944	10/6/2017	1377214	Oct. 06, 2017	Danimer Scientific Holdings, LLC

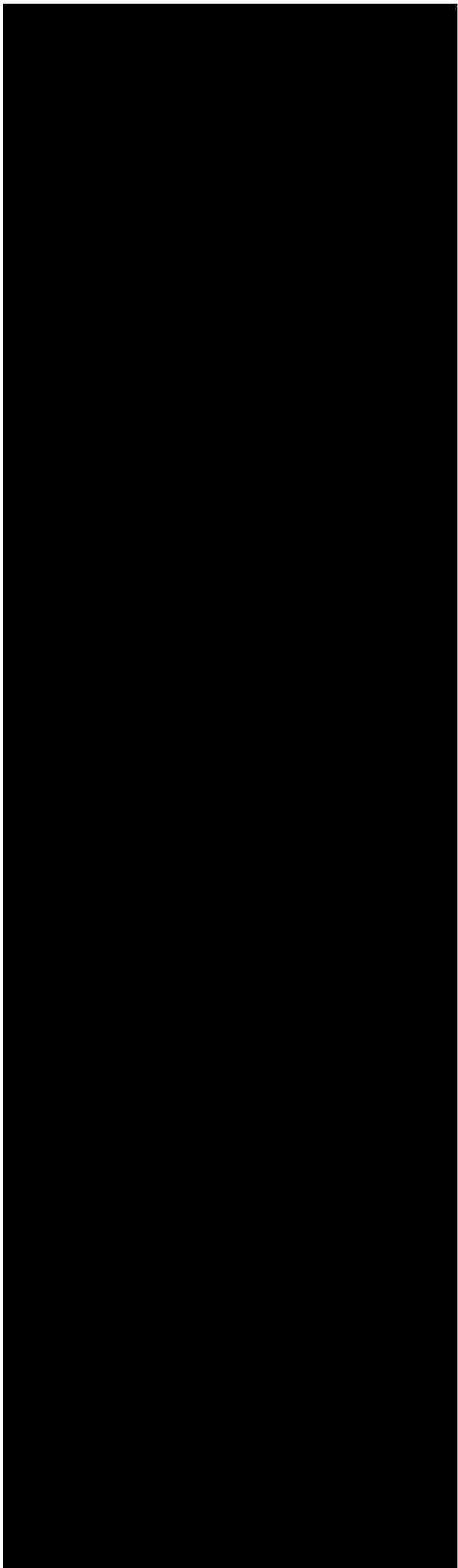
Trademark	Jurisdiction	App. No.	Filing Date	Reg. No.	Registered Date	Owner
NODAX	BR (direct filing)	927140926	6/29/2022		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	GB (clone of EM)	13629944	10/6/2017	1377214	Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	AU (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	CA (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	CN (via WIPO Madrid)	W01377214	10/6/2017	1377214	Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	CL (via WIPO Madrid)	W01377214	10/6/2017	1377214	Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	ID (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	IN (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	JP (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	KR (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	MX (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	MY (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	NZ (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	TH (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC
NODAX	VN (via WIPO Madrid)	W01377214	10/6/2017		Oct. 06, 2017	Danimer Scientific Holdings, LLC

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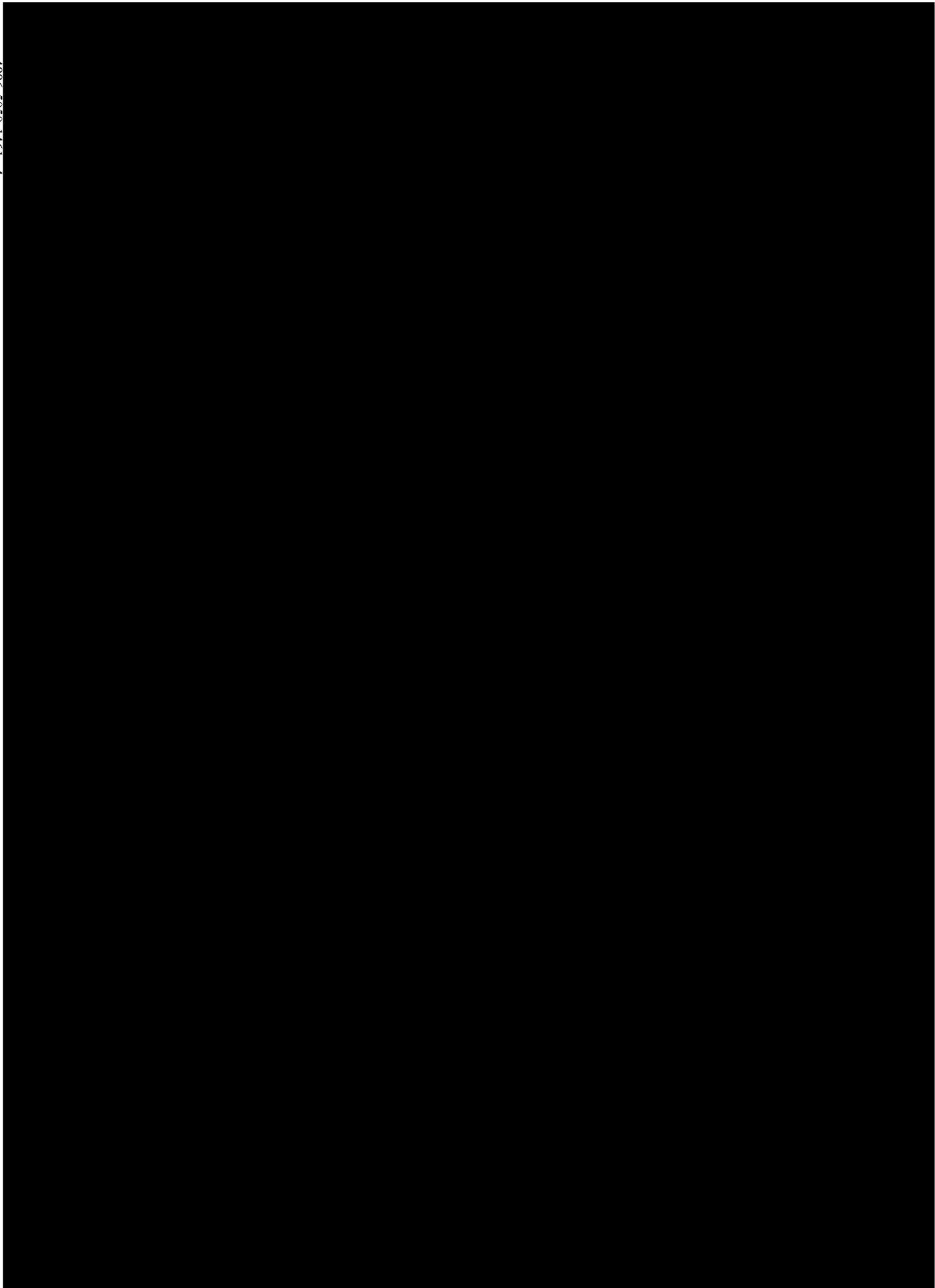
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Website Domains

Website Domains	Type:	Current Status:	Controlled by:	Comments:
<u>www.danimerscientific.com</u>	Primary WebPage	auto renews 11/11/2023	Danimer	Transferred from Bloughtech to Danimer
<u>www.danimer.com</u>	E-mail server	auto renews 01/21/2024	Danimer	Transferred from Bloughtech to Danimer
<u>www.mhelsio.com</u>	Not in use	auto renews 11/19/2023	Danimer	Transferred from Bloughtech to Danimer
<u>www.modaexpha.com</u>	Not in use	auto renews 09/11/2024	Danimer	Transferred from Bloughtech to Danimer
<u>www.modaex.com</u>	Not in use	auto renews 05/20/2023	Danimer	Transferred from Bloughtech to Danimer
<u>www.danmerpha.com</u>	Not in use	auto renews 01/12/2023	Danimer	Purchased by R Ivey of Danimer on 01/12/2021



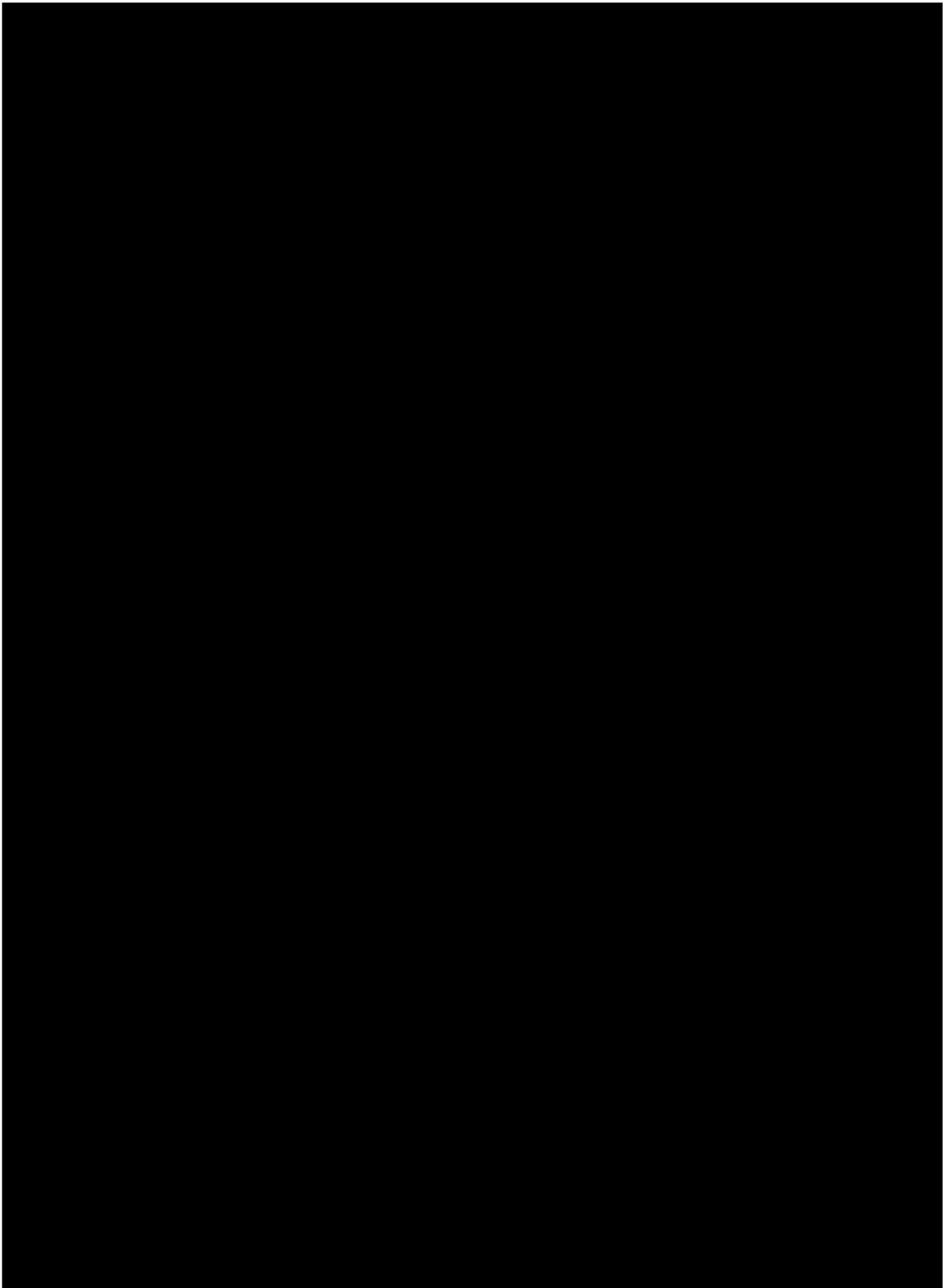
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