504575959 10/02/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4622670

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| MARGUERITE CERVIN | 09/28/2010 |
| GREGORY M. WHITED | 09/28/2010 |
| GOPAL CHOTANI | 09/28/2010 |
| KARL J. SANFORD | 09/28/2010 |
| FERNANDO VALLE | 09/29/2010 |
| JOSEPH C. MCAULIFFE | 09/28/2010 |
| ANDREI MIASNIKOV | 09/29/2010 |
| RICHARD LA DUCA | 09/28/2010 |
| CAROLINE PERES | 09/28/2010 |

RECEIVING PARTY DATA

| Name: | Danisco US Inc. |
|-----------------|--------------------|
| Street Address: | 925 Page Mill Road |
| City: | Palo Alto |
| State/Country: | CALIFORNIA |
| Postal Code: | 94304-1013 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14987681 |

CORRESPONDENCE DATA

Fax Number: (650)845-6504

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: 650-846-7500

Email: dolores.mckay@dupont.com

Correspondent Name: DANISCO US INC.; BILL T. BRAZIL

Address Line 1: 925 PAGE MILL ROAD

Address Line 4: PALO ALTO, CALIFORNIA 94304-1013

ATTORNEY DOCKET NUMBER: NB31022-US-CNT[2]

NAME OF SUBMITTER: DOLORES MCKAY

PATENT 504575959 REEL: 043758 FRAME: 0175

| SIGNATURE: | /Dolores McKay/ | |
|---|-----------------|--|
| DATE SIGNED: | 10/02/2017 | |
| Total Attachments: 10 | | |
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| source=31022-US-2_Danisco Assignment#page2.tif | | |
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| source=31022-US-2_Danisco Assignment#page9.tif | | |
| source=31022-US-2_Danisco Assignment#page10.tif | | |

PATENT REEL: 043758 FRAME: 0176



Attorney Docket No.: 643842000200

Client Ref. No.: 31022US-2

ASSIGNMENT JOINT

THIS ASSIGNMENT, by Marguerite Cervin of 404 Palomar Drive, Redwood City, California 94062; Gregory M. Whited of 304 South Road, Belmont, California 94002; Gopai Chotani of 10166 Carol Lee Drive, Cupertino 95014; Karl J. Sanford of 10434 Alicia Court, Cupertino, California 95014; Fernando Yalie of 232 Bancroft Road, Burlingame, California 94010; Joseph C. McAuliffe of 663 Princeton Drive, Sunnyvate, California 94087; Andrei Miasnikov of 1769 Latham Street, #A, Mountain View, California 94041; Richard La Duca of 7430 Ginger Court, Pleasanton, California 94588; and Caroline Peres of 2328 Santa Catalina Street, Palo Alto, California 94303 (hereinafter referred to as the Assignors), witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements as described and set forth in:

Title of Invention: COMPOSITIONS AND METHODS FOR PRODUCING ISOPRENE

Filing Date: December 15, 2008
US Patent Application Serial No.: 12/335,071

WHBRBAS, Danisco US Inc., a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 925 Page Mill Road, Palo Alto, California 94304 USA (hereinafter referred to as the Assignos) is desirous of acquiring the entire right, title and interest in and to said inventions and said applications for Letters Patent or Patents, United States or foreign, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, logal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, applications for Letters Patents, United States or foreign, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said Assignee, for its own use and the use of its successors, logal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors, had this sale and assignment not been made.

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the applications for Letters Patents above-mentioned, and that the same are unconcumbered and that said Assignors have good and full right and lawful authority to soil and convey the same in the manner herein set forth.

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee, its successors, legal representatives and assigns, that said Assignors will, whenever counsel of said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said applications for Letters Patents, or any proceeding in connection with Letters Patents for said inventions in any country, including interference proceedings, is lewful and desirable, or that any division, continuation or continuation-inpart of any of said applications for Letters Patent or Patents or any relissue or extension of any Letters Patent or Patents, part of any of said applications for Letters Patent or Patents or any relissue or extension of any Letters Patent or Patents, be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful caths, and do all sets necessary or required to be done for the procurement, maintenance, enforcement and defense of any of said Letters Patent or Patents for said inventions, without charge to said Assignce, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

IN WITHESS WHEREOF I undersign as follows:

Date: 9/28/20/0

Margarto Cervin

STATE OF CALIFORNIA COUNTY OF SANTA CLARA

On 9/38/10 before me. CAPA. See Notary Public, personally appeared Managery 6. Centrol who proved to me on the basis of satisfactory evidence to be the person(s) whose hame(s) is/are subscribed to the within instrument and scknowledged to me that he/she/they executed the same in his/her/their authorized capacity(los), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official scal.

Signature Laval A. See

(Seal)



Date:

STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

On 1/28/10 before me, Are A. See Notary Public, personally appeared
whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(iss), and that by his/her/their algnature(s) on the lastrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signaturo Law a. See

(Seal)

OARCL A. SEE

Commission & 1820177

Hetery Poblic - California

Earla Clera County
My Comm. Expires Oct 28, 2012

pa-1424652

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IN WITNESS WHEREOP I undersign as follows:

Date: 9/28 10

Copal Krishon Chotani Opal Cholani

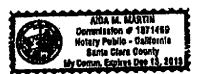
STATE OF CALIFORNIA COUNTY OF SANTA CLARA

on Solumin 20 20 before me. MAM Morhy Notary Public, personally appeared NOPAL (AD TUM) before me. who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subsortibed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their algnature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OP PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS prophand and offight soft

Signature

(Séal)



Date: 9/19/10

STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

On 2000 before me, 100 me on the basis of satisfactory evidence to be the person(s)
whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the
same in his/her/their author/sed capacity(tes), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under
PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and
correct.

WITNESS my hand and official soul

Signature (Lide W

(Seal)



pa-1424652

PATENT REEL: 043758 FRAME: 0181

IN WITNESS WHEREOF I undersign as follows:

Date: 09-29-2010

Remando Vallo

STATE OF CALIFORNIA COUNTY OF SANTA CLARA

On Science of the personal papers of the State of California that the foregoing paragraph is true and correct.

WITNESS, my hand and official soal

Signature Adally

(Scal)



Attorney Docket No.: 643842000200

Client Ref. No.: 31022US-2

IN WITNESS WHEREOF I undersign as follows:

Joseph C. McAuliffe

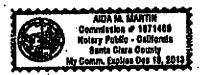
STATE OF CALIFORNIA COUNTY OF SANTA CLARA

20, 200 before me, had M. Martin Notary Public, personally appeared Chal iff , who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribes to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(a), or the entity upon behalf of which the person(a) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and соптесі.

WITNESS my hand and official scal

Signature

(Scal)



IN WITNESS WHEREOF I undersign as follows:

Dato: September 29, 201

Andrei Miasnika

STATE OF CALIFORNIA COUNTY OF SANTA CLARA

On Sopurative 29, 2010 before me, And M. Marky Notary Public, personally appeared And V. Marky Way, who proved to me on the basis of satisfactory evidence to be the person(s) whose same(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official scal,

Signature

(Seal)



Date:

| Planto | Pla

ARIA M. SAUTTIN Commission & 1871446 Retary Public - California Santa Diara County Mr Gerren, Expires Dep 13, 2012

pa-1424652

(Seal)

IN WITNESS WHEREOP I undersign as follows:

Date:

Sejhamber 28, 2010

Gare

Caroline Peres

STATE OF CALIFORNIA COUNTY OF SANTA CLARA

whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ics), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the Instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature

(Seal)

ADA M. MARTIN

Gentinisation & 1871459

Notary Publis - Galifornia

Bards Olars County

My Dogan, Expires One 19, 2015

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