505842966 12/31/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5889902

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

#### **CONVEYING PARTY DATA**

| Name              | Execution Date |
|-------------------|----------------|
| KEVIN DENIS       | 12/16/2019     |
| EDWARD J. WOLLACK | 12/06/2019     |

### **RECEIVING PARTY DATA**

| Name:           | UNITED STATES OF AMERICA AS REPRESENTED BY THE ADMINISTRATOR OF NASA |
|-----------------|--|
| Street Address: | 300 E. STREET SW   |
| City:           | WASHINGTON   |
| State/Country:  | D.C.   |
| Postal Code:    | 20546  |

### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |  |
|---------------------|----------|--|
| Application Number: | 16585496 |  |

#### **CORRESPONDENCE DATA**

**Fax Number:** (301)286-9502

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: 3012862385

Email: Milelene.Gunyon-1@nasa.gov

Correspondent Name: MILELENE GUNYON

Address Line 1: NASA GODDARD SPACE FLIGHT CENTER Address Line 2: OFFICE OF PATENT COUNSEL M/S 140.1

Address Line 4: GREENBELT, MARYLAND 20771

| ATTORNEY DOCKET NUMBER: | GSC-18244-1       |
|-------------------------|-------------------|
| NAME OF SUBMITTER:      | MILELENE GUNYON   |
| SIGNATURE:              | /Milelene Gunyon/ |
| DATE SIGNED:            | 12/31/2019        |

**Total Attachments: 2** 

source=Assignment-filed#page1.tif source=Assignment-filed#page2.tif

PATENT 505842966 REEL: 051393 FRAME: 0748



NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

Title of Invention:

# Assignment to the Government (by Government Employee)

|   | TITE OF THE PERSON WELL THOUS OF MANUFACTURING THE REOF   |  |   |  |   |  |
|---|---|--|---|--|---|--|
| Inventor(s):  | Kevin Denis, Kanvan Rostem, Edward Wollack, Elissa Williams                                       |  |   |  |   |  |
| NASA Case No.:  | GSC-18244-1   | Application No.*:  | 16/585,496  | Filing Date*:  | 09-27-2019  |  |
| WHEREAS, the part<br>Government (hereat<br>Administration;              | lies to this Assignmen<br>ler Government), as r   | it and Agreement are<br>epresented by the A  | othe undersigned inve<br>dministrator of the Nat  | ntor(s) and the Uional Aeronautic                      | Inited States<br>s and Space                            |  |
| WHEREAS, the make   | ing of this Assignmen   | it and Agreement is  | in accordance with 37   | CFR Part 501; a  | nd  |  |
| WHEREAS, the und<br>States Patent on the                                | ersigned inventor(s) h<br>above-entitled inventi  | as (have) executed,<br>ion:  | on the date(s) indicate   | ed below, an app                                       | lication for United                                     |  |
| <ol> <li>Assign to the<br/>America, its territorie</li> </ol>           | Government my (our)<br>s and possessions, ar  | full and exclusive rig<br>nd my (our) entire ric   | overnment, the unders<br>ght in and to said inver<br>ht, title and interest in<br>patent(s) that may iss  | ition within the U                                     | nited States of<br>Ication, and any                     |  |
| amended, If the Gove<br>country, in accordance<br>nonexclusive, irrevoc | FR 501.9(d), includin<br>Imment chooses not t<br>e with 37 CFR 501.9(<br>able, rovalty-free licen | g rights of priority un<br>to file an application<br>d), and such rights v<br>use in the invention v | usive foreign rights in a<br>ider the International C<br>in any foreign country,<br>rill be subject to the re-<br>rith power to grant lices<br>cticable, in any foreign | Convention of Pa<br>I (we) may requiservation to the I | ris (1883), as<br>est rights in that<br>Government of a |  |
| Agree, at the e information to, and (c) interest transferred by         | to cooperate in any n   | nanner with the Gov  | any document for, (b)<br>ernment in order to all  | to deliver any re<br>ow the Governm                    | equested<br>ant to protect any                          |  |
| *4. Authorize and above when required.                                  | request the attorneys   | of record in the appl  | ication to insert the ap  | plication number                                       | and filing date   |  |
| (Signature of Inventor)   |   |  | 14/2019   | • 22   |   |  |
| Kevin Denis   |   | (588   | (Assignment Executed)   | (Date Applica  | stion Executed)   |  |
| (Inventor's Typed Name,   |   | (Mailing Addres  | ss - Including Country)   |  |   |  |
| (Signature of inventor)   |   | (Dete  | Assignment Executed)  | /Cate Annlirs  | dion Executed)  |  |
| Edward Wollack  |   | •  | 2   | dresses substance                                      | mon katalany  |  |
| (Inventor's Typed Name)   |   | (Mailing Addres  | 8 - Including Country)  |  |   |  |
| (Signature of Inventor)   | ·····   | (Date  | Assignment Executed)  | (Dete Applica  | tion Executed)  |  |
| (Inventor's Typed Name)   |   | (Mailing Addres.   | s - Includina Country)  |  |   |  |

PATENT REEL: 051393 FRAME: 0749



Title of Invention:

# Assignment to the Government (by Government Employee)

|   | CHOMONIC DEVICES AND METHODS OF MANUFACTURING THE HEOF  |  |  |  |  |
|---|---|--|--|--|--|
| Inventor(s):  | Kevin Denis, Karwan Rostem, Edward J. Wollack, Elissa Williams  |  |  |  |  |
| NASA Case No.:  | GSC-18244-1 Application No.*: 16/585,496 Filing Date*: 09-27-2019   |  |  |  |  |
| WHEREAS, the par<br>Government (hereal<br>Administration;                                     | ties to this Assignment and Agreement are the undersigned inventor(s) and the United States<br>fter Government), as represented by the Administrator of the National Aeronautics and Space  |  |  |  |  |
| WHEREAS, the mal  | king of this Assignment and Agreement is in accordance with 37 CFR Part 501; and  |  |  |  |  |
| WHEREAS, the und<br>States Patent on the  | lersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United above-entitled invention.  |  |  |  |  |
| <ol> <li>Assign to the<br/>America, its territorie</li> </ol>                                 | , in consideration of employment by the Government, the undersigned hereby: Government my (our) full and exclusive right in and to said invention within the United Stales of and possessions, and my (our) entire right, title and interest in and to said application, and any nuation or divisional application(s) and any patent(s) that may issue therefrom.   |  |  |  |  |
| accordance with 37 (<br>amended, if the Gov<br>country, in accordan-<br>nonexclusive, irrevoc | It to the Government my (our) full and exclusive foreign rights in and to said invention, in CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as ernment chooses not to file an application in any foreign country, I (we) may request rights in that ce with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a cable, royalty-free license in the invention with power to grant licenses for all governmental of such reservation will appear, where practicable, in any foreign patent which may issue on such |  |  |  |  |
| nformation to, and (c   | expense of the Government, (a) to execute any document for, (b) to deliver any requested<br>i) to cooperate in any manner with the Government in order to allow the Government to protect any<br>y this Assignment and Agreement.   |  |  |  |  |
| *4. Authorize and<br>above when required  | request the attorneys of record in the application to insert the application number and filing date .   |  |  |  |  |
| (Signature of Inventor)   | (Date Assignment Executed) (Date Application Executed)  |  |  |  |  |
| Kevin Denis<br>(Inventor's Typed Nami   | e) (Mailing Address - Including Country)  |  |  |  |  |
| (Signature of Inventor)   | (Date Assignment Executed) (Date Application Executed)  |  |  |  |  |
| Edward J. Wollack   | 7146 Moorland Drive, Clarksville MD 21029   |  |  |  |  |
| (Inventor's Typed Name  |   |  |  |  |  |
| ·Edway J.   | Wal/a≪— 12/6/2019   |  |  |  |  |
| (Signature of Inventor)   | (Date Assignment Executed) (Date Application Executed)  |  |  |  |  |
| (inventor's Typed Name  | ) (Mailing Address - Including Country)   |  |  |  |  |
| •   | 2000 PREVIOUS EDITIONS ARE OBSOLETE.  |  |  |  |  |

PATENT REEL: 051393 FRAME: 0750

**RECORDED: 12/31/2019**