## 508108345 09/07/2023

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8155523

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

#### **CONVEYING PARTY DATA**

| Name                       | Execution Date |
|----------------------------|----------------|
| CHRISTOPH C. BOREL-DONOHUE | 06/29/2020     |

### **RECEIVING PARTY DATA**

| Name:           | THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY |
|-----------------|--|
| Street Address: | 101 ARMY PENTAGON  |
| City:           | WASHINGTON   |
| State/Country:  | D.C.   |
| Postal Code:    | 20310  |

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

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 18202086 |

#### CORRESPONDENCE DATA

**Fax Number:** (301)394-3972

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:** 301-394-1774

Email: nadine.l.loman.civ@army.mil

Correspondent Name: NADINE L. LOMAN

Address Line 1: 2800 POWDER MILL ROAD

Address Line 2: U.S. ARMY DEVCOM - ARMY RESEARCH LABORATORY

Address Line 4: ADELPHI, MARYLAND 20783

| ATTORNEY DOCKET NUMBER: | ARL 19-35C        |  |
|-------------------------|-------------------|--|
| NAME OF SUBMITTER:      | NADINE L. LOMAN   |  |
| SIGNATURE:              | /Nadine L. Loman/ |  |
| DATE SIGNED:            | 09/07/2023        |  |

# **Total Attachments: 3**

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PATENT 508108345 REEL: 064834 FRAME: 0624

# ASSIGNMENT AND AGREEMENT

| Title of Invention: LOCALIZATION BY USING SKYLINE DATA  |  |                             |  |
|---|--|-----------------------------|--|
| Inventor(s): Christoph C. Borel-Donohue   |  |                             |  |
| Date Declaration Executed: 6/29/2020  |  |                             |  |
| *Application Serial No.: 48/918,025<br>18/202,086<br>(*I (We) herby authorize the application serial num  | *Filing Date: 6/29/2020 Docket In 5/25/2023  Subserved the subserved of the subserved subserved to the subserved subse | ARL 19-35C                  |  |
| I, the undersigned inventor, in consideration of the ri of circumstances under which the above-identified ir  |  | 1 States acquired by virtue |  |
| 1. Assign to the Government of the United States, as represented by the Secretary of the Army, my entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation or division of said application and any reissue or extension of said Letters Patent.  |  |                             |  |
| 2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me, subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent in which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government. |  |                             |  |
| 3. Agree to provide any further information within my knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.   |  |                             |  |
| Signature of Inventor:  |  |                             |  |
| (First name)  | orel   |                             |  |
| (First name)  | (Middle Initial)   | (Last Name)                 |  |
| Duty Address: Army Research Laboratory, Adelphi, (Locality)   | Montgomery (County)  | Maryland<br>(State)         |  |
| Date:6/29/2020 Type   | d name of Inventor: Christoph C. B   | Sorel-Donohue               |  |
| ******* State of: Maryland SS. County of: Montgomery   [place where acknowledgement is taken]   |  |                             |  |
| On the above date <u>Christoph C. Borel-Donohue</u> known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.   |  |                             |  |
|   | (Printed or typewritten name of not  | ary public)                 |  |
|   | (Signature of notary public)   |                             |  |
| (SEAL)  | My Commission expires on   |                             |  |

Page 1 of 1

PATENT REEL: 064834 FRAME: 0625

## 507824176 03/28/2023

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7871309

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

#### **CONVEYING PARTY DATA**

| Name                       | Execution Date |
|----------------------------|----------------|
| CHRISTOPH C. BOREL-DONOHUE | 06/29/2020     |

### **RECEIVING PARTY DATA**

| Name:           | THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY |
|-----------------|--|
| Street Address: | 101 ARMY PENTAGON  |
| City:           | WASHINGTON   |
| State/Country:  | D.C.   |
| Postal Code:    | 20310  |

# **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16916025 |

### **CORRESPONDENCE DATA**

**Fax Number:** (301)394-3972

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:** 301-394-1774

Email: nadine.l.loman.civ@army.mil

Correspondent Name: NADINE L. LOMAN

Address Line 1: 2800 POWDER MILL ROAD

Address Line 2: U.S. ARMY DEVCOM - ARMY RESEARCH LABORATORY

Address Line 4: ADELPHI, MARYLAND 20783

| ATTORNEY DOCKET NUMBER: | ARL 19-35         |
|-------------------------|-------------------|
| NAME OF SUBMITTER:      | NADINE L. LOMAN   |
| SIGNATURE:              | /Nadine L. Loman/ |
| DATE SIGNED:            | 03/28/2023        |

**Total Attachments: 1** 

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PATENT 507824176 REEL: 064834 FRAME: 0626

#### ASSIGNMENT AND AGREEMENT

Title of Invention: LOCALIZATION BY USING SKYLINE DATA Inventor(s): Christoph C. Borel-Donohue Date Declaration Executed: 6/29/2020 \*Application Serial No.: 16/916,025 \*Filing Date: 6/29/2020 Docket No.: **ARL 19-35** (\*I (We) herby authorize the application serial number and filing date of said application be added when known.) I, the undersigned inventor, in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby: 1. Assign to the Government of the United States, as represented by the Secretary of the Army, my entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation or division of said application and any reissue or extension of said Letters Patent. 2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me, subject to a nonexclusive, irrevocable, royaltyfree license to the Government in any patent in which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government. 3. Agree to provide any further information within my knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon. Signature of Inventor: (First name) LR. Borel (Middle Initial) (Last Name) Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland (County) (State) (Locality) Date: \_\_\_\_6/29/2020 \_\_\_\_\_ Typed name of Inventor: **Christoph C. Borel-Donohue** \*\*\*\*\*\*\*(notarizing preferred)\*\*\*\*\*\* State of: Maryland SS.
County of: Montgomery [place where acknowledgement is taken] On the above date <u>Christoph C. Borel-Donohue</u> known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal. (Printed or typewritten name of notary public) (Signature of notary public)

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PATENT REEL: 064834 FRAME: 0627

My Commission expires on \_\_\_\_\_

RECORDED: 09/28/2023

(SEAL)