

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5929059

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SY KELLY OLSON	12/09/2019
COLLIN MACGREGOR	12/03/2019
JEFFERSON BRADFIELD PACKER	12/09/2019
JOSEPH FUNKE	12/06/2019
DAVID BELO	01/02/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ZOOX, INC.
<b>Street Address:</b>	1149 CHESS DRIVE
<b>City:</b>	FOSTER CITY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94404
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16539873
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)757-7700
<i>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.</i>	
<b>Phone:</b>	206-622-3150
<b>Email:</b>	amendez@zoox.com
<b>Correspondent Name:</b>	DAVIS WRIGHT TREMAINE LLP
<b>Address Line 1:</b>	920 FIFTH AVENUE
<b>Address Line 2:</b>	SUITE 3300
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98104
<b>ATTORNEY DOCKET NUMBER:</b>	0112500-010US0
<b>NAME OF SUBMITTER:</b>	ANNA MENDEZ
<b>SIGNATURE:</b>	/ANNA MENDEZ/
<b>DATE SIGNED:</b>	01/24/2020
<b>Total Attachments: 20</b>	

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**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Application No. 16/539,873

Attorney Docket No. 0112500-010US0

Filing Date August 13, 2019

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

**Sy Kelly Olson**  
1149 Chess Drive  
Foster City, CA 94404

**David Martins Belo**  
1149 Chess Drive  
Foster City, CA 94404

**Collin MacGregor**  
1149 Chess Drive  
Foster City, CA 94404

**Joseph Funke**  
1149 Chess Drive  
Foster City, CA 94404

**Jefferson Bradfield Packard**  
1149 Chess Drive  
Foster City, CA 94404

Assignee:

**Zoox, Inc.**  
1149 Chess Drive  
Foster City, CA 94404

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "FEASIBILITY VALIDATION FOR VEHICLE TRAJECTORY SELECTION" (Invention) for which a non-provisional application for United States Letters Patent (Application):

- was filed on August 13, 2019 and accorded U.S. Application No. 16/539,873; or
- will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of Davis Wright Tremaine LLP, associated with Customer No. 119045, to insert in the header above and here in parentheses (U.S. Patent Application No. 16/539,873, filed August 13, 2019) this application's U.S. application number and filing date, when known.

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Application No. 16/539,873

Attorney Docket No. 0112500-010US0

Filing Date August 13, 2019

Title of Invention: FEASIBILITY VALIDATION FOR VEHICLE TRAJECTORY SELECTION

Inventors: **Sy Kelly Olson, Collin MacGregor, Jefferson Bradfield Packard, David Martins Belo, Joseph Funke**

WHEREAS, ASSIGNEE, a corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said Application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks, as well as all other applicable patent offices throughout the world, to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation

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Inventors: **Sy Kelly Olson, Collin MacGregor, Jefferson Bradfield Packard, David Martins Belo, Joseph Funke**

regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the Application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the Application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Application No. 16/539,873

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This declaration is directed to:

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The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor:

**Sy Kelly Olson**

**WITNESSED BY:**

\_\_\_\_\_  
Inventor Signature

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness (Printed Name)

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Legal name of inventor:

**Collin MacGregor**

**WITNESSED BY:**

/Collin MacGregor/

\_\_\_\_\_  
Inventor Signature

\_\_\_\_\_  
Witness Signature

12/3/2019

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Legal name of inventor:  
**Jefferson Bradfield Packard**

**WITNESSED BY:**

\_\_\_\_\_  
Inventor Signature

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Witness Signature

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Legal name of inventor:

**David Martins Belo**

**WITNESSED BY:**

\_\_\_\_\_  
Inventor Signature

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Legal name of inventor:

**Joseph Funke**

**WITNESSED BY:**

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Inventor Signature

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**David Martins Belo**  
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**Collin MacGregor**  
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Foster City, CA 94404

**Joseph Funke**  
1149 Chess Drive  
Foster City, CA 94404

**Jefferson Bradfield Packard**  
1149 Chess Drive  
Foster City, CA 94404

Assignee:

**Zoox, Inc.**  
1149 Chess Drive  
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U.S. Patent Application No. 16/539,873

Attorney Docket No. 0112500-010US0

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AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the Application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the Application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Application No. 16/539,873

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Legal name of inventor:

**Sy Kelly Olson**

**WITNESSED BY:**

/sy olson/

Inventor Signature

\_\_\_\_\_  
Witness Signature

12/9/2019

Date

\_\_\_\_\_  
Witness (Printed Name)

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**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

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Legal name of inventor:

**Collin MacGregor**

**WITNESSED BY:**

\_\_\_\_\_  
Inventor Signature

\_\_\_\_\_  
Witness Signature

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Legal name of inventor:  
**Jefferson Bradfield Packard**

**WITNESSED BY:**

\_\_\_\_\_  
Inventor Signature

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Legal name of inventor:

**David Martins Belo**

**WITNESSED BY:**

/David Belo/

\_\_\_\_\_  
Inventor Signature

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Witness Signature

1/2/2020

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Legal name of inventor:

**Joseph Funke**

**WITNESSED BY:**

/Joseph Funke/

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**Sy Kelly Olson**

1149 Chess Drive

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**Collin MacGregor**

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**Jefferson Bradfield Packer**

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Assignee:

**Zoox, Inc.**

1149 Chess Drive

Foster City, CA 94404

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
“FEASIBILITY VALIDATION FOR VEHICLE TRAJECTORY SELECTION” (Invention) for which a non-  
provisional application for United States Letters Patent (Application):

was filed on August 13, 2019 and accorded U.S. Application No. 16/539,873; or

will be filed concurrently with the submission of this executed PATENT ASSIGNMENT  
for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE’S legal representatives, of  
Davis Wright Tremaine LLP, associated with Customer No. 119045, to insert in the header above  
and here in parentheses (U.S. Patent Application No. 16/539,873, filed August 13, 2019) this  
application’s U.S. application number and filing date, when known.

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Application No. 16/539,873

Attorney Docket No. 0112500-010US0

Filing Date August 13, 2019

Title of Invention: FEASIBILITY VALIDATION FOR VEHICLE TRAJECTORY SELECTION

Inventors: **Sy Kelly Olson, Collin MacGregor, Jefferson Bradfield Packer**

WHEREAS, ASSIGNEE, a corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said Application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks, as well as all other applicable patent offices throughout the world, to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation

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regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the Application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the Application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

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**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States Patent Application number 16/539,873 filed on August 13, 2019; or
- PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor:

**Jefferson Bradfield Packer**

**WITNESSED BY:**

/Jefferson Bradfield Packer/

Inventor Signature

\_\_\_\_\_  
Witness Signature

12/9/2019

\_\_\_\_\_  
Witness (Printed Name)

Date

\_\_\_\_\_  
Date