

PATENT ASSIGNMENT COVER SHEET

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|---|------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| YAOBIN CHEN | 11/01/2019 |
| EUZELI C. DOS SANTOS | 10/23/2019 |
| CLAYTON LOWELL NICHOLAS | 10/22/2019 |
| RECEIVING PARTY DATA | |
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| State/Country: | INDIANA |
| Postal Code: | 47405 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 17273518 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 2019-016-03 |
| NAME OF SUBMITTER: | MELISSA FRANKS |
| SIGNATURE: | /Melissa Franks/ |
| DATE SIGNED: | 03/09/2021 |
| Total Attachments: 4 | |
| source=2019-016-02 Assignment - ALL (executed)#page1.tif | |
| source=2019-016-02 Assignment - ALL (executed)#page2.tif | |
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| source=2019-016-02 Assignment - ALL (executed)#page4.tif | |

ASSIGNMENT

Whereas, I/We **Yaobin CHEN, Euzeli C. DOS SANTOS, and Clayton Lowell NICHOLAS** (collectively ASSIGNOR) have invented **CARAVANNING AUTONOMOUS VEHICLES**, which is the subject of the following patent or patent applications naming us as inventors ("the Application"):

☒ International Application Serial No. **PCT/US2019/050012** filed **September 6, 2019**

The Trustees of Indiana University, a body politic and corporate of the State of Indiana having its principal office at 107 S. Indiana Avenue, Bloomington IN 47405 (ASSIGNEE), desires to acquire ASSIGNOR'S interest in the Application.

ASSIGNOR acknowledges receipt and adequacy of good and valuable consideration in exchange for this Assignment and hereby assign to ASSIGNEE, its successors, assigns, and legal representatives the full and exclusive right, title, and interest in, to, and under the Application, in the United States and all foreign countries, including all inventions therein disclosed, the right to all Letters Patent of the United States and all other countries which may be granted for such inventions, or any of them, all non-provisional, continuation, continuation-in-part, divisional, or reissue applications corresponding to the Application or such Letters Patent, all reexaminations, supplemental examinations, substitutes and extensions thereof, as well as all priority rights under the laws of the United States, the Paris Convention, the Patent Cooperation Treaty and any foreign countries, the same to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this Assignment not been made. This Assignment includes the assignment of the right to recover damages for past infringements of, or liabilities for, any of the rights related to the Application.

ASSIGNOR covenants and agrees to cooperate with ASSIGNEE and execute all instruments or documents requested for the making and prosecuting of any applications of any type for patent in the United States and in all foreign countries including, but not limited to the following: provisional, non-provisional, continuation, continuation-in-part, divisional, renewal, reissue, re-examination, substitutes or extension. ASSIGNORS covenant and agree to cooperate with ASSIGNEE in any interference, post-grant review, post-grant opposition or litigation regarding the Application or any invention, patents or applications relating to the Application, including by testifying for the benefit of ASSIGNEE without further or other compensation than that provided in this Assignment.

ASSIGNOR agrees to do all other acts which, in the opinion of ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent.

ASSIGNOR covenants that no assignment, sale, agreement or encumbrance has been or will be entered into that would conflict with this Assignment and that ASSIGNOR has full right to convey the interest herein assigned.

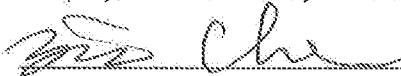
ASSIGNORS hereby authorize and request the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States of America resulting from the Application and any divisional, continuing, or reissue applications thereof, and any reexamination of any such applications, to ASSIGNEE for the entire

interest, and requests that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

ASSIGNOR grants ASSIGNEE and/or the attorney of record a power to insert on this Assignment any further identification that may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

IN WITNESS WHEREOF, ASSIGNORS executed this Assignment at

Indianapolis, IN this 1st day of November 2019
(City, State or Country if outside US)



Yaobin CHEN

INVENTOR/ASSIGNOR (signature)

Address:

2437 Derek Drive

Carmel, IN 46032

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at

_____ this _____ day of _____, 20_____
(City, State or Country if outside US)

Euzeli C. DOS SANTOS

INVENTOR/ASSIGNOR (signature)

Address:

6779 Woodcliff Circle

Zionsville, IN 46077

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at

_____ this _____ day of _____, 20_____
(City, State or Country if outside US)

Clayton Lowell NICHOLAS

INVENTOR/ASSIGNOR (signature)

Address:

7841 Holly Creek Lane

Indianapolis, IN 46240

interest, and requests that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

ASSIGNOR grants ASSIGNEE and/or the attorney of record a power to insert on this Assignment any further identification that may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

IN WITNESS WHEREOF, ASSIGNORS executed this Assignment at

_____ this ____ day of _____, 20____
(City, State or Country if outside US)

Yaobin CHEN
INVENTOR/ASSIGNOR (signature)
Address:
2437 Derek Drive
Carmel, IN 46032

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at

INDIANAPOLIS, IN this 23 day of OCTOBER, 2019
(City, State or Country if outside US)

Euzeli C. Santos
Euzeli C. DOS SANTOS
INVENTOR/ASSIGNOR (signature)
Address:
6779 Woodcliff Circle
Zionsville, IN 46077

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at

_____ this ____ day of _____, 20____
(City, State or Country if outside US)

Clayton Lowell NICHOLAS
INVENTOR/ASSIGNOR (signature)
Address:
7841 Holly Creek Lane
Indianapolis, IN 46240

interest, and requests that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

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IN WITNESS WHEREOF, ASSIGNORS executed this Assignment at

_____ this ____ day of _____, 20____.
(City, State or Country if outside US)

Yaobin CHEN

INVENTOR/ASSIGNOR (signature)

Address:

2437 Derek Drive
Carmel, IN 46032

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at

_____ this ____ day of _____, 20____.
(City, State or Country if outside US)

Euzeli C. DOS SANTOS


INVENTOR/ASSIGNOR (signature)

Address:

6779 Woodcliff Circle
Zionsville, IN 46077

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at

Indianapolis, IN _____ this 22 day of October, 2019.
(City, State or Country if outside US)



Clayton Lowell NICHOLAS

INVENTOR/ASSIGNOR (signature)

Address:

7841 Holly Creek Lane
Indianapolis, IN 46240