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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                  |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                      |
| <b>CONVEYING PARTY DATA</b>   |                                 |
| <b>Name</b>   | <b>Execution Date</b>           |
| TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.  | 01/28/2020                      |
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| <b>PROPERTY NUMBERS Total: 1</b>  |                                 |
| <b>Property Type</b>  | <b>Number</b>                   |
| <b>Patent Number:</b>   | 10545505                        |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | TRI-125-A                       |
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| <b>SIGNATURE:</b>   | /Christopher G. Darrow/         |
| <b>DATE SIGNED:</b>   | 02/26/2020                      |
| <b>Total Attachments: 1</b>   |                                 |
| source=TRI125A_Executed Assignment to TJKK#page1.tif  |                                 |

2016-496; IP-A-2303; TRI-125-A

ASSIGNMENT OF PATENT

WHEREAS, Toyota Research Institute, Inc., of 4440 El Camino Real, Los Altos, CA 94022 (hereinafter referred to as "ASSIGNOR"), has obtained U.S. Patent No. 10,545,505, dated January 28, 2020, entitled **TRAJECTORY PLAN MODIFICATION FOR AN AUTONOMOUS VEHICLE OPERATION IN A HETEROGENEOUS VEHICLE ENVIRONMENT**;

WHEREAS, Toyota Research Institute, Inc. desires to transfer ownership of above patent; and

WHEREAS, Toyota Jidosha Kabushiki Kaisha, a corporation organized under the laws of the Japan, having its principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan, ("ASSIGNEE"), desires to acquire the entire right, title, and interest in the aforesaid patent owned by Assignor;

Now therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the ASSIGNOR's entire right, title and interest in and to the aforesaid Patent; such right, title and interest to be held and enjoyed by the ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY GRANTS to the law firm of Darrow Mustafa PC the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Execution Date: January 28, 2020.

TOYOTA RESEARCH INSTITUTE, INC.

DocuSigned by:  
By: Kelly Kay  
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Print  
Name: Kelly Kay

Its: Chief Financial Officer