

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6841983

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TILL S. HARTMANN	07/20/2021
JEFFREY D. ZAREMBA	06/16/2021
SAMUEL ENGLISH ANTHONY	07/27/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PERCEPTIVE AUTOMATA, INC.
<b>Street Address:</b>	ONE BOSTON PLACE, 201 WASHINGTON STREET
<b>Internal Address:</b>	35TH FLOOR
<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02108
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17321297
<b>PCT Number:</b>	US2132638
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)938-5200
<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>	6503357863
<b>Email:</b>	cdiez@fenwick.com
<b>Correspondent Name:</b>	HYE IN LEE
<b>Address Line 1:</b>	FENWICK & WEST LLP
<b>Address Line 2:</b>	801 CALIFORNIA STREET
<b>Address Line 4:</b>	MOUNTAIN VIEW, CALIFORNIA 94041
<b>ATTORNEY DOCKET NUMBER:</b>	35447-48698/US & 48698/WO
<b>NAME OF SUBMITTER:</b>	HYE IN LEE, LIM. REC. L1365
<b>SIGNATURE:</b>	/Hye In Lee/
<b>DATE SIGNED:</b>	07/30/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 3**

source=48698\_US\_Assignment#page1.tif

source=48698\_US\_Assignment#page2.tif

source=48698\_US\_Assignment#page3.tif

## **COMBINED DECLARATION AND ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Perceptive Automata, Inc.**, a Delaware Corporation, having a place of business at **One Boston Place, 201 Washington Street, 35th Floor, Boston MA 02108** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application(s), including those filed under 35 U.S.C. § 111, design applications filed under 35 U.S.C. § 171, Registered Community Designs, international applications filed according to the Patent Cooperation Treaty (PCT), U.S. national phase applications filed under 35 U.S.C. § 371, national or regional applications filed in any other country throughout the world, and any patents issuing thereon ("PATENT RIGHTS"):

- U.S. Application No. **17/321,297**, entitled **GROUND TRUTH BASED METRICS FOR EVALUATION OF MACHINE LEARNING BASED MODELS FOR PREDICTING ATTRIBUTES OF TRAFFIC ENTITIES FOR NAVIGATING AUTONOMOUS VEHICLES**, filed on **May 14, 2021**, which claims priority from provisional applications, filed on May 15, 2020, now bearing US Application No. 63/025,766 and 63/025,771.
- PCT Application No. **PCT/US21/32638**, entitled **SCENARIO IDENTIFICATION FOR VALIDATION AND TRAINING OF MACHINE LEARNING BASED MODELS FOR AUTONOMOUS VEHICLES**, filed on **May 14, 2021**, which claims priority from provisional applications, filed on May 15, 2020, now bearing US Application No. 63/025,766 and 63/025,771.

2. The entire worldwide right, title, and interest in and to:

(a) the PATENT RIGHTS, including any right of priority; (b) any provisional, divisional, continuation, continuation-in-part, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) any patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to

Title:	GROUND TRUTH BASED METRICS FOR EVALUATION OF MACHINE LEARNING BASED MODELS FOR PREDICTING ATTRIBUTES OF TRAFFIC ENTITIES FOR NAVIGATING AUTONOMOUS VEHICLES		
Filed:	May 14, 2021	Attorney Docket #:	35447-48698/US & 35447-48698/WO
Application #:	17/321,297 & PCT/US21/32638		

ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

### DECLARATION

By signing below, INVENTOR further attests to the following:

- The above application was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the application.

INVENTOR hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Date: 7/20/2021  
(Required)

Till S. Hartmann  
**Till S. Hartmann**

Date: 6/16/2021  
(Required)

Jeffrey D. Zaremba  
**Jeffrey D. Zaremba**

Title:	GROUND TRUTH BASED METRICS FOR EVALUATION OF MACHINE LEARNING BASED MODELS FOR PREDICTING ATTRIBUTES OF TRAFFIC ENTITIES FOR NAVIGATING AUTONOMOUS VEHICLES		
Filed:	May 14, 2021	Attorney Docket #:	35447-48698/US & 35447-48698/WO
Application #:	17/321,297 & PCT/US21/32638		

Date: 7/27/2021  
(Required)

Samuel English Anthony  
**Samuel English Anthony**