

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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Assignment ID: PATI730606

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHENZHEN INVENTION DISCOVERY CO., LTD.	12/30/2024
RECEIVING PARTY DATA	
Company Name:	HAI ROBOTICS U.S.A. INC
Street Address:	1745 Corporate Dr
Internal Address:	Suite 200
City:	Norcross
State/Country:	GEORGIA
Postal Code:	30093
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12807325
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	3124271300
Email:	ChicagoUSPTO@ladas.net
Correspondent Name:	Frank Gao
Address Line 1:	224 South Michigan Avenue
Address Line 2:	Suite 1600
Address Line 4:	Chicago, ILLINOIS 60604
ATTORNEY DOCKET NUMBER:	CS-2883-HAI-FYG
NAME OF SUBMITTER:	Louise Johnson
SIGNATURE:	Louise Johnson
DATE SIGNED:	01/03/2025
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 3	
source=US_Assignment appl. 12807325 and appl.12960728#page1.tiff	
source=US_Assignment appl. 12807325 and appl.12960728#page2.tiff	
source=US_Assignment appl. 12807325 and appl.12960728#page3.tiff	

UNITED STATES OF AMERICA

ASSIGNMENT

In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

**SHENZHEN INVENTION DISCOVERY CO., LTD.
ROOM 18C, BUILDING 3B, HUAYUXIN, GUANGHUA COMMUNITY, JIHUA
STREET, LONGGANG DISTRICT
SHENZHEN, GUANGDONG 518112
CHINA**

hereby sells, assigns and transfers to

ASSIGNEE:

**HAI ROBOTICS U.S.A. INC
Address: 1745 Corporate Dr, Suite 200,
Norcross, GA 30093, UNITED STATES OF AMERICA**

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the Application entitled

1. TITLE OF INVENTION:

**METHOD AND APPARATUS FOR DETERMINING POSITION AND ROTATIONAL
ORIENTATION OF AN OBJECT**

and which is found in (37 CFR 3.21) - (check applicable item(s) below)

- ☐ (a) Not yet filed U.S. patent application executed on even date herewith
- ☐ (b) Not yet filed U.S. patent application executed on _____ (insert date of execution of Declaration)
- ☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

- ☒ (c) U.S. patent or provisional patent application No. 11/292463
filed on Dec. 3, 2005 now U.S. Patent No. 7,845,560 issued Dec. 7, 2010
- ☐ (d) U.S./PCT Completion Application No. _____
filed on _____

2. TITLE OF INVENTION:

**METHOD AND APPARATUS FOR DETERMINING POSITION AND ROTATIONAL
ORIENTATION OF AN OBJECT**

and which is found in (37 CFR 3.21) - (check applicable item(s) below)

- ☐ (a) Not yet filed U.S. patent application executed on even date herewith
- ☐ (b) Not yet filed U.S. patent application executed on _____
(insert date of execution of Declaration)
- ☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR
signing below, hereby authorize and request my attorney to insert below the
filing date and application number when they become known.
- ☒ (c) U.S. patent or provisional patent application No. 12/960728
filed on Dec. 6, 2010 now U.S. Patent No. 8,196,835 issued Jun. 12, 2012
- ☐ (d) U.S./PCT Completion Application No. _____
filed on _____

3. TITLE OF INVENTION:

**METHOD AND APPARATUS FOR MANAGING AND CONTROLLING MANNED AND
AUTOMATED UTILITY VEHICLES**

and which is found in (37 CFR 3.21) - (check applicable item(s) below)

- ☐ (a) Not yet filed U.S. patent application executed on even date herewith
- ☐ (b) Not yet filed U.S. patent application executed on _____
(insert date of execution of Declaration)
- ☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR
signing below, hereby authorize and request my attorney to insert below the
filing date and application number when they become known.
- ☒ (c) U.S. patent or provisional patent application No. 12/807325
filed on Sept. 2, 2010 now U.S. Patent No. 8,381,982 issued Feb. 26, 2013
- ☐ (d) U.S./PCT Completion Application No. _____
filed on _____

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have set our hand and seal

Shenzhen Invention Discovery Co., LTD.

By: Qin LIAO.

Name: Qin LIAO

Title: General Manager

Date: December 30, 2024

HAI ROBOTICS U.S.A. INC

By: Bing Fang

Name: Bing FANG

Title: Director

Date: December 27, 2024

L&P 09/2012 (Assignment - entire interest - US rights only)