

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6393995

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TIFFANY J. HWQ	11/05/2020
IMAN MOHAMMADREZAZADEH	11/05/2020
MICHAEL J. DAILY	11/09/2020
RAJAN BHATTACHARYYA	11/10/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GM GLOBAL TECHNOLOGY OPERATIONS LLC
<b>Street Address:</b>	P.O. Box 300
<b>Internal Address:</b>	Mail Code 482-C23-B21
<b>City:</b>	Detroit
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48265-3000
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17094255
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)380-8968
<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>	248-380-9300
<b>Email:</b>	usdocketing@quinnlawgroup.com
<b>Correspondent Name:</b>	QUINN IP LAW
<b>Address Line 1:</b>	21500 HAGGERTY ROAD, STE 300
<b>Address Line 4:</b>	NORTHVILLE, MICHIGAN 48167
<b>ATTORNEY DOCKET NUMBER:</b>	P052344-US-NP
<b>NAME OF SUBMITTER:</b>	CAROL A. PIERSON
<b>SIGNATURE:</b>	/Carol A. Pierson/
<b>DATE SIGNED:</b>	11/10/2020
<b>Total Attachments: 4</b>	
source=2020-11-10 Assignment P052344#page1.tif	

source=2020-11-10 Assignment P052344#page2.tif

source=2020-11-10 Assignment P052344#page3.tif

source=2020-11-10 Assignment P052344#page4.tif

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P052344-US-NP entitled

NAVIGATION TRAJECTORY USING REINFORCEMENT LEARNING FOR AN EGO VEHICLE IN A NAVIGATION NETWORK

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses ( 17/094,255 filed 10-NOV-2020 ) when known.

Inventor's signature Tiffany Hwu Date 11/05/2020

Full name : TIFFANY J. HWU  
Residence : SAN DIEGO, CALIFORNIA,

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : IMAN MOHAMMADREZAZADEH  
Residence : LOS ANGELES, CALIFORNIA,

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : MICHAEL J. DAILY  
Residence : THOUSAND OAKS, CALIFORNIA

**ASSIGNMENT**

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P052344-US-NP entitled

**NAVIGATION TRAJECTORY USING REINFORCEMENT LEARNING FOR AN EGO VEHICLE IN A NAVIGATION NETWORK**

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses ( 17/094,255 filed 10-NOV-2020 ) when known.

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : TIFFANY J. HWU

Residence : SAN DIEGO, CALIFORNIA,

Inventor's signature  Date NOV. 05. 2020

Full name : IMAN MOHAMMADREZAZADEH

Residence : LOS ANGELES, CALIFORNIA,

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : MICHAEL J. DAILY

Residence : THOUSAND OAKS, CALIFORNIA

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : RAJAN BHATTACHARYYA

Residence : SHERMAN OAKS, CALIFORNIA

**ASSIGNMENT**

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P052344-US-NP entitled

**NAVIGATION TRAJECTORY USING REINFORCEMENT LEARNING FOR AN EGO VEHICLE IN A NAVIGATION NETWORK**

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses ( 17/094,255 filed 10-NOV-2020 ) when known.

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : TIFFANY J. HWU

Residence : SAN DIEGO, CALIFORNIA,

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : IMAN MOHAMMADREZAZADEH

Residence : LOS ANGELES, CALIFORNIA,

Inventor's signature *MJDaily* \_\_\_\_\_ Date 11/9/20 \_\_\_\_\_

Full name : MICHAEL J. DAILY

Residence : THOUSAND OAKS, CALIFORNIA

**ASSIGNMENT**

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P052344-US-NP entitled

**NAVIGATION TRAJECTORY USING REINFORCEMENT LEARNING FOR AN EGO VEHICLE IN A NAVIGATION NETWORK**

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses ( 17/094,255 filed 10-NOV-2020 ) when known.

Inventor's signature *Rajan Bhattacharyya* Date 11/10/2020

Full name : RAJAN BHATTACHARYYA

Residence : SHERMAN OAKS, CALIFORNIA