#### 503663945 01/26/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ABUZAFOR M. RASAL	01/12/2016
ZHOUMIN HU	01/12/2016
ERAY YASAN	01/14/2016

### **RECEIVING PARTY DATA**

Name:	GENERAL MOTORS LLC
Street Address:	300 RENAISSANCE CENTER
Internal Address:	MAIL CODE 482-C23-B21
City:	DETROIT
State/Country:	MICHIGAN
Postal Code:	48265-3000
Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC
Street Address:	300 RENAISSANCE CENTER
Internal Address:	MAIL CODE 482-C23-B21
City:	DETROIT
State/Country:	MICHIGAN
Postal Code:	48265-3000

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15003369

### **CORRESPONDENCE DATA**

Fax Number: (248)689-4071

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**Correspondent Name:** GENERAL MOTORS CORPORATION C/O REISING E

P.O. BOX 4390 Address Line 1:

TROY, MICHIGAN 48099-4390 Address Line 4:

ATTORNEY DOCKET NUMBER: P031696-OST-ALS

> **PATENT REEL: 037582 FRAME: 0028**

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NAME OF SUBMITTER:	PAULA TACK
SIGNATURE:	/Paula Tack/
DATE SIGNED:	01/26/2016
Total Attachments: 2 source=Assignment-signed#page1.tif	

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PATENT REEL: 037582 FRAME: 0029

### 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, in the improvements set forth in the United States patent application P031696-OST-ALS entitled

# IMPROVING VEHICLE LOCATION SERVICES

for which I executed a declaration dated as indicated below. I authorize GM GLOBAL TECHNOLOGY OPERATIONS LLC, through its attorneys, to insert the application number and filing date of said application here in parentheses ( 15/003,369: January 21, 2016 ) when known.

Inventor's signature	2000	Date_1/12/16
Full name :	Zhoumin HU	Declaration dated:
Residence:	TROY, MICHIGAN 48083	

PATENT REEL: 037582 FRAME: 0030

#### ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS LLC, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application P031696-OST-ALS entitled

## IMPROVING VEHICLE LOCATION SERVICES

for which I executed a declaration dated as indicated below. I authorize GENERAL MOTORS LLC, through its attorneys, to insert the application number and filing date of said application here in parentheses ( 15/003,369: January 21, 2016 ) when known.

Inventor's signature	Altzafor Food	Date
Full name:	Abuzafor M. RASAL	Declaration dated :
Residence:	HAMTRAMCK, MICHIGAN 48212	
Inventor's signature	_Fyasa	Date1/14/2016
Full name:	Eray YASAN	Declaration dated:
Residence:	CANTON, MICHIGAN 48188	

PATENT REEL: 037582 FRAME: 0031

RECORDED: 01/26/2016