# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5000203

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
XUEWEI QI	06/07/2018
ORHAN BULAN	06/08/2018
DAVID H. CLIFFORD	06/07/2018
DAVID J. HIEMENGA	06/07/2018
YEHENEW G. MENGISTU	06/07/2018

#### RECEIVING PARTY DATA

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:	16004735

## **CORRESPONDENCE DATA**

Fax Number: (248)641-0270

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.

Phone: 248 641 1600

gm-inbox@hdp.com, mailroom@hdp.com Email: HARNESS DICKEY & PIERCE, P.L.C. (GM) **Correspondent Name:** 

Address Line 1: P.O. BOX 828

Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	P045368 (8540P-1719)
NAME OF SUBMITTER:	LAURA HONEMAN
SIGNATURE:	/Laura Honeman/
DATE SIGNED:	06/11/2018

**Total Attachments: 1** 

**PATENT** REEL: 046042 FRAME: 0787

504953456

 $source = Assignment\_as\_Filed\_P045368\#page1.tif$ 

PATENT REEL: 046042 FRAME: 0788

### ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P045368 (8540P-1719) entitled

# ACTIVE SEGMENTION OF SCANNED IMAGES BASED ON DEEP REINFORCEMENT LEARNING FOR OCR APPLICATIONS

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 74175 to insert the application number and filing date of said application here in parentheses (16/04,735 filed 11, 2018) when known.

Inventor's signature	Durch'	Date $06/07/2018$
Full name:	Xuewei Qi	l (
Residence:	Sterling Heights, Michigan	,
Inventor's signature Full name:	Orhan Bulan	Date 06/28/2018
Residence:	Troy, Michigan	. 1
Inventor's signature	<u> </u>	Date_6/7/18
Full name:	David H. Clifford	
Residence:	Royal Oak, Michigan	
Inventor's signature Full name:	David J. Hiemenga	Date6/7/18
Residence:	Grand Rapids, Michigan	
Inventor's signature	z Chenao	Date_06/07/18
Full name:	Yehenew G. Mengistu	
Residence:	Sterling Heights, Michigan	

PATENT REEL: 046042 FRAME: 0789

RECORDED: 06/11/2018