504449053 07/10/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ION C. HALALAY	07/10/2017
TIMOTHY J. FULLER	07/10/2017
BOB R. POWELL JR.	07/06/2017

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:	15644436

CORRESPONDENCE DATA

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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.

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Email: troymailroom@hdp.com, lhoneman@hdp.com HARNESS DICKEY & PIERCE, P.L.C. (GM) **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	P037165 (8540R-211)
NAME OF SUBMITTER:	LAURA HONEMAN
SIGNATURE:	/Laura Honeman/
DATE SIGNED:	07/10/2017

Total Attachments: 2

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> **PATENT** REEL: 042952 FRAME: 0475 504449053

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 P037165 (8540R-211) entitled

IRON ION TRAPPING VAN DER WAALS GRIPPER ADDITIVES FOR ELECTROLYTE SYSTEMS IN LITHIUM-ION BATTERIES

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 (15/1044, 436 filed July 7, 2017) when known.

Inventor's signature	Ton Habalay	Date July 10, 201
Full name:	Ion C. Halalay	
Residence:	Grosse Pointe Park, Michigan	
Inventor's signature Full name: Residence:	Timothy J. Fuller Pittsford, New York	Date_ July 10, 2017
Inventor's signature		Date
Full name:	Bob R. Powell Jr.	
Residence:	Birmingham, Michigan	

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 P037165 (8540R-211) entitled

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Inventor's signature		Date
Full name:	Ion C. Halalay	
Residence:	Grosse Pointe Park, Michigan	
Inventor's signature		Date
Full name:	Timothy J. Fuller	
Residence:	Pittsoford, New York	
Inventor's signature Full name:	Bob R. Powell Jr.	Date 7-6-17

Birmingham, Michigan

Residence:

RECORDED: 07/10/2017

PATENT REEL: 042952 FRAME: 0477