PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2772922

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIN SUN	10/16/2013
MICHELANGELO ARDANESE	10/21/2013
RAFFAELLO ARDANESE	03/13/2014
VINCENT J. TYLUTKI	10/16/2013
GIUSEPPE SCHIAVONE	11/20/2013

RECEIVING PARTY DATA

Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC
Street Address:	P.O. BOX 300
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:	14217765

CORRESPONDENCE DATA

Fax Number: (860)286-0115

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 860-286-2929

Email: usptopatentmail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP-GENERAL MOTORS

Address Line 1: 20 CHURCH STREET, 22ND FLOOR Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	P022344-PTUS-RRM
NAME OF SUBMITTER:	MATTEO D. PEDINI
SIGNATURE:	/Matteo D. Pedini/
DATE SIGNED:	03/18/2014

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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 P022344-PTUS-RRM entitled

SYSTEM TO MONITOR REGENERATION FREQUENCY OF PARTICULATE FILTER

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 80748 to insert the application number and filing dat of said application here in parentheses (
Inventor's signature	Min	Date_10/16/2013
Full name:	MIN SUN	
Residence:	TROY, MICHIGAN	
Inventor's signature		Date
Full name :	MICHELANGELO ARDANESE	
Residence:	ROYAL OAK, MICHIGAN	
Inventor's signature		Date
Full name :	RAFFAELLO ARDANESE	
Residence:	Torino,	

P022344-PTUS-RRM, Page 2

Inventor's signature		Date	
Full name:	VINCENT J TYLUTKI		
Residence:	LIVONIA, MICHIGAN		
Inventor's signature		Date	
Full name:	GIUSEPPE SCHIAVONE		
Residence:	BITONTO, ITALY		

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March 18, 20	14) when known.	
Toronto do «So cotono»		Date
Inventor's signature		L/UIL
Full name:	MIN SUN	
Residence:	TROY, MICHIGAN	
Inventor's signature	Malife Cale	Date 10/24 / 2043
Full name :	MICHELANGELO ARDANESE	
Residence:	ROYAL OAK, MICHIGAN	
Inventor's signature		Date
Full name :	RAFFAELLO ARDANESE	
Residence:	Torino,	

Inventor's signature Full name: Residence:	VINCENT J TYLUTKI LIVONIA, MICHIGAN -	Date/0//6//6/3
Inventor's signature		Date
Full name :	GIUSEPPE SCHIAVONE	

BITONTO, ITALY

Residence:

PATENT REEL: 032462 FRAME: 0332

P022344-PTUS-RRM, Page 2

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Inventor's signature		Date
Full name:	MIN SUN	
Residence:	TROY, MICHIGAN	
Inventor's signature		Date
Full name:	MICHELANGELO ARDANESE	
Residence:	ROYAL OAK, MICHIGAN	
Inventor's signature	All M	Date 03 / 13 / 20 14
Full name :	RAFFAELLO ARDANESE	
Residence:	Torino,	

P022344-PTUS-RRM, Page 2

Inventor's signature		Date
Full name:	VINCENT J TYLUTKI	
Residence:	LIVONIA, MICHIGAN	
Inventor's signature		Date
Full name:	GIUSEPPE SCHIAVONE	
Residence:	BITONTO, ITALY	

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WiaiCii 10, 201	when known.			
Inventor's signature		Date		
Full name:	MIN SUN			
Residence:	TROY, MICHIGAN			
Inventor's signature		Date		
Full name:	MICHELANGELO ARDANESE			
Residence:	ROYAL OAK, MICHIGAN			
Inventor's signature		Date		
Full name:	RAFFAELLO ARDANESE			
Residence:	Torino,			

P022344-PTUS-RRM, Page 2

Inventor's signature		Date
Full name:	VINCENT J TYLUTKI	
Residence:	LIVONIA, MICHIGAN	
Inventor's signature Full name :	GIUSEPPE SCHIAVONE	Date 20/11/2013
Residence:	BITONTO, ITALY	

PATENT REEL: 032462 FRAME: 0336

RECORDED: 03/18/2014