PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4471769

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK GORDON COLLINS	06/19/2017
ANTHONY BOYKO	06/19/2017
LARS NIKLAS PETTERSSON	06/20/2017
MATTHEW L. WEST	06/19/2017

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	FAIRLANE PLAZA SOUTH, SUITE 800
Internal Address:	330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15629541

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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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Correspondent Name: BROOKS KUSHMAN P.C.

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ATTORNEY DOCKET NUMBER: 83793246

NAME OF SUBMITTER: SEAN M. CASEY

SIGNATURE: /Sean M. Casey/

DATE SIGNED: 06/21/2017

Total Attachments: 4

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Attorney Docket Number	83793246

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	HEV ENERGY OPERATION	MANAGEMENT	FOR	HIGH	PERFORMANCE
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I hereby state that I have including the claims.	ve reviewed and understan	nd the contents of the spe	ecification	in the abov	ve-identified application,
I believe that I am the ori	iginal inventor or an origin	al joint inventor of a clain	ned inventio	on in the ap	plication.
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FORD GLOBAL TECH of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its state for the inventions and diname or names, or in my insert the serial/applications. 15/629,541 ASSIGNEE, its success applications, in and to the	ment agreement heretofore NOLOGIES, LLC, a Ford e, having its principal places the ASSIGNEE, its successors, assigns or other scoveries in any and all coveries in any and all coveries in any and filing of the property of the property of the inventions and discoveries claiming benefit of the applications.	Motor Company subsidiants of business at Dearbor tessors, assigns or other lations and discoveries in the legal representatives to nountries, entities and intergion (and I hereby authorized the application to 1,2017), and representatives, all res in any and all countries	ry, organize rn, County legal represe above-ider nake applicate applicate the ASSI to receive and I here rights of ps, entities as	ed and exist of Wayne, entatives, to the ations and total organizations and total organizations. A Letters Party sell, as the intergover and intergover.	ting by virtue of the laws, and State of Michigan, the entire right, title and ention including the right to receive Letters Patent ations, in its or their own ASSIGNEE's attorney to atent herein; Serial No. issign and set over to the cluding any provisional vernmental organizations
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And I hereby represent a	nd warrant that I have not g	granted any rights inconsis	stent with th	ie rights gra	anted herein.
or imprisonment of not m	at any willful false statemenore than five (5) years or b		on is punish	able under	: 18 U.S.C. 1001 by fine
LEGAL NAME OF INV. Inventor: Patrick G	ENTOR ordon Collins		Date:	19 J	one 2017
Signature: Duit	Indon/Alin	A	Date:	5 7 21	granden funda (4

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Attorney Docket Number	83793246

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And I hereby represent an	nd warrant that I have not g	granted any rights inconsi	stent with t	he rights gra	ınted herein.
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Inventor: Anthony	Boyko	· · · · · · · · · · · · · · · · · · ·	Date:	June	LIYXUIT
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Please direct all correspondence to: 28395

Attorney Docket Number	83793246

## ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

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I believe that I am the ori	iginal inventor or an original joint inventor	of a claimed invention in the a	pplication.
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FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and di- name or names, or in my insert the serial/applicat  15/629,541  ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or by cor NOLOGIES, LLC, a Ford Motor Company e, having its principal place of business at state ASSIGNEE, its successors, assigns or reign, in and to the inventions and discover accessors, assigns or other legal representations in any and all countries, entities are name, at its or their election (and I hereby tion number and filing date of the app, Filing Date June 21, 2017  sors, assigns or other legal representative inventions and discoveries in any and all his claiming benefit of the filing date here applications.	subsidiary, organized and exit Dearborn, County of Wayner other legal representatives, ries in the above-identified invitives to make applications and and intergovernmental organize authorize the ASSIGNEE or lication to receive Letters for the priority, in the countries, entities and intergovernments.	esting by virtue of the laws e, and State of Michigan, the entire right, title and vention including the right d to receive Letters Patent zations, in its or their own ASSIGNEE's attorney to Patent herein: Serial No. assign and set over to the neluding any provisional overnmental organizations
including applications fo organizations, and to per	myself, my heirs, successors, assigns or other. Letters Patent of any and all kinds and if form any and all acts which the ASSIGNE ecure thereto the rights herein sold, assigned	n any and all countries, entiti E, its successors, assigns or o	ies and intergovernmental
And I hereby represent as	nd warrant that I have not granted any rights	inconsistent with the rights g	ranted herein.
	at any willful false statement made in this nore than five (5) years or both.	declaration is punishable und	er 18 U.S.C. 1001 by fine
LEGAL NAME OF INV		110	n/non-
Inventor: <u>Lars Nikla</u>	as Pettersson	Date:	UKUIT
Signature: NWb	s Ylffu		f
	a Sheet (PTO/SB/14 or equivalent), including n	aming the entire inventive entity	, must accompany this form.
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Please direct all correspondence to: 28395

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Title of Invention	HEV ENERGY OPERATION	MANAGEMENT	FOR	HIGH	PERFORMANCE
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United	tached application, or I States application or PCT filed on then they become known.)	international application (I hereby authorize	number the insertio	on of the ap	pplication filing date and
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FORD GLOBAL TECH of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and diname or names, or in my insert the serial/applications—  15/629,541  ASSIGNEE, its success applications, in and to the including all application reexaminations and reisson And I hereby agree for including applications for organizations, and to per may deem necessary to see	ment agreement heretofore NOLOGIES, LLC, a Ford e, having its principal plass the ASSIGNEE, its successors, assigns or other scoveries in any and all comments and its or their election number and filing of the property of the inventions and discoveries in any and discoveries in the inventions and discoveries claiming benefit of the applications.  In the invention of the property	Motor Company subsidiance of business at Dearbo cessors, assigns or other lions and discoveries in the legal representatives to rountries, entities and intertion (and I hereby authorized the application 21, 2017). The gal representatives, all lies in any and all countries in filing date hereof, cours, assigns or other legal and all kinds and in any and the ASSIGNEE, its sure rein sold, assigned and set	ary, organizer, County legal representations of personal representations of the country of the c	ed and exist of Wayne, sentatives, sentified invocations and stal organizarions. Letters Pareby sell, as priority, incand intergory, continuate tives to exercise, entities ssigns or of	ating by virtue of the laws, and State of Michigan, the entire right, title and ention including the right to receive Letters Patent ations, in its or their own ASSIGNEE's attorney to atent herein: Serial No. ssign and set over to the cluding any provisional vernmental organizations tions-in-part, divisionals, es and intergovernmental ther legal representatives
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LEGAL NAME OF INV Inventor: <u>Matthew</u>			Date:	6/1	9/17
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**RECORDED: 06/21/2017**