505904855 02/07/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5951572

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOHAMED RIDHA BACCOUCHE	11/19/2019
SUKHWINDER SINGH DHINDSA	11/18/2019
GREG GOMBERT	11/19/2019
YU-KAN HU	11/25/2019
LEONARD ANTHONY SHANER	11/27/2019
SRINIVASAN SUNDARARAJAN	11/20/2019
MIKOLAJ TYKSINSKI	11/26/2019
JEFFREY A. WALESCH	11/21/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16703727

CORRESPONDENCE DATA

Fax Number:

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: 3125801020

Email: ahunt@hfzlaw.com, ksabatini@hfzlaw.com
Correspondent Name: HANLEY, FLIGHT & ZIMMERMAN, LLC

Address Line 1: 150 S WACKER DR

Address Line 2: SUITE 2200

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	20305/84153368
NAME OF SUBMITTER:	MARK G. HANLEY

/Mark G. Hanley/	
02/07/2020	
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source=Shaner_signed#page1.tif	
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Attorney Docket Number	00006/04150060
AUDITEV DOCKELNUITDEL	20305/84153368

litle of Invention	SPLAYED FRONT HORNS FOR VEHICLE FRAMES	
This declaration is directed to:		
United	ached application, or States application or PCT international application numberfiled on	
The above-identified appl	ication was made or authorized to be made by me.	
I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the original	ginal inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-part appl	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior al or PCT international filing date of the continuation-in-part application.	
of the State of Delaware, hereinafter referred to as interest, domestic and for of the ASSIGNEE, its surfor the inventions and dis name or names, or in my insert the serial/applications. ASSIGNEE, its successor applications, in and to the including all applications reexaminations and reissur	ent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto IOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and eign, in and to the inventions and discoveries in the above-identified invention including the right excessors, assigns or other legal representatives to make applications and to receive Letters Patent coveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to on number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date December 4, 2019 —), and I hereby sell, assign and set over to the ors, assigns or other legal representatives, all rights of priority, including any provisional inventions and discoveries in any and all countries, entities and intergovernmental organizations is claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, e applications. yself, my heirs, successors, assigns or other legal representatives to execute any and all papers,	
including applications for organizations, and to perf may deem necessary to see	Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental orm any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives cure thereto the rights herein sold, assigned and set over.	
	I warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowledge that	any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine	
LEGAL NAME OF INVE	ore than five (5) years or both.	
	Ridha Baccouche Date: \\ -\ \@ - \ \@ \	
Signature:	Jacoulis -	
Note: An Application Data Use an additional declaration	Sheef (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.	

Attorney Docket Number 20305/84153368		
1100110 20010111011001	Attorney Docket Number	20305/84153368

Title of Inventi	on SPLAYED FRONT HORNS FOR VEHICLE FRAMES
This declaration is	s directed to:
	The attached application, or United States application or PCT international application number filed on
The above-identif	fied application was made or authorized to be made by me.
I hereby state that including the claim	at I have reviewed and understand the contents of the specification in the above-identified application, ms.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-p	e duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for art applications, material information which became available between the filing date of the prior ne national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of Dhereinafter referrinterest, domestic of the ASSIGNE for the inventions name or names, consert the serial/16/703,727 ASSIGNEE, its applications, in a including all appreexaminations and And I hereby again.	reployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws belaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, ed to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right E, its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own for in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
organizations, an may deem necess	ations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental d to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ary to secure thereto the rights herein sold, assigned and set over.
	resent and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge or imprisonment	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.
LEGAL NAME	OF INVENTOR
-	nuchwinder Singh Dhindsa Date: New 18/20/9
Note: An Applica	tion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	20305/84153368

Title of Invention	SPLAYED FRONT HORNS FOR VEHICLE FRAMES
This declaration is direct	ed to:
∑ The at	tached application, or I States application or PCT international application number filed on
The above-identified app	olication was made or authorized to be made by me.
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continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for olications, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its sfor the inventions and drame or names, or in my insert the serial/applications. The success applications, in and to the including all application reexaminations and reiss. And I hereby agree for including applications for the state of the serial ser	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental
may deem necessary to s	rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives secure thereto the rights herein sold, assigned and set over.
	and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge the	nat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.
LEGAL NAME OF INV	VENTOR 11,10ha
Inventor: Greg Go	ombert Date: 1/1/9/19
Signature:	And I
Note: An Application Date	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional declarati	on form for each additional inventor.

Attorney Docket Number	20305/84153368

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FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and disname or names, or in my insert the serial/applicat 16/703,727 ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and reign, in and to the inventions and discoveries in the above-identified invention including the right accessors, assigns or other legal representatives to make applications and to receive Letters Patent acoveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ion number and filing date of the application to receive Letters Patent herein: Serial No.
including applications for organizations, and to per-	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, relaters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives acure thereto the rights herein sold, assigned and set over.
And I hereby represent an	d warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not m	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.
LEGAL NAME OF INVI Inventor: Yu-Kan I	4. /
Signature:	Jugh
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

REEL: 051748 FRAME: 0068

Please direct all correspondence to:

20305/84153368

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	on	SPLAYED FRONT HORNS FOR VEHICLE FRAMES
This declaration is	direct	ed to:
	United	tached application, or I States application or PCT international application number filed on
The above-identif	ied app	lication was made or authorized to be made by me.
I hereby state tha including the clair	t I hav ns.	re reviewed and understand the contents of the specification in the above-identified application,
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including applications, and	ons fo to per	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
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I hereby acknowle or imprisonment of	dge tha	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.
LEGAL NAME O Inventor: Le		ENTOR Anthony Shaper Date: 11/27/2019
Signature:	10	nar allener.
Note: An Application	n Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional dec	claratio	a form for each additional inventor.

REEL: 051748 FRAME: 0069

Attorney Docket Number	20305/84153368	

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FORD GLOBAL TE of the State of Delaw hereinafter referred t interest, domestic and of the ASSIGNEE, it for the inventions and name or names, or in insert the serial/app. 16/703,727 ASSIGNEE, its sucapplications, in and to	company subsidiary, organized and existing by virtue of the laws ware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, or as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and it foreign, in and to the inventions and discoveries in the above-identified invention including the right is successors, assigns or other legal representatives to make applications and to receive Letters Patent id discoveries in any and all countries, entities and intergovernmental organizations, in its or their own my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to lication number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date December 4, 2019 —), and I hereby sell, assign and set over to the cessors, assigns or other legal representatives, all rights of priority, including any provisional of the inventions and discoveries in any and all countries, entities and intergovernmental organizations ations claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, essue applications.
including application organizations, and to	or myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, is for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives to secure thereto the rights herein sold, assigned and set over.
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or imprisonment of no	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of more than five (5) years or both.
LEGAL NAME OF I	\$1.50,053.30
Inventor: Sriniv	rasan SundararajanDate:
Signature:	Agmose
Note: An Application I Use an additional declar	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. ation form for each additional inventor.

		
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or imprisonment of not m	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.
LEGAL NAME OF INVI	
<u> </u>	50 Tales
Signature:	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney	Docket Number	2

20305/84153368

PATENT REEL: 051748 FRAME: 0072

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And I hereby repre	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of LEGAL NAME OI Inventor: Jef	lge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine not more than five (5) years or both. INVENTOR Yev A. Walesch Date: 11/21/2017
Signature:	MAN WINCE
	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

RECORDED: 02/07/2020