504133351 12/18/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4189637

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| MARCEL MATHISSEN | 12/06/2016 |
| VOLKER SCHEER | 12/02/2016 |
| RAINER VOGT | 12/08/2016 |

RECEIVING PARTY DATA

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|-------------------|---------------------------------|--|
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| Internal Address: | 330 TOWN CENTER DRIVE | |
| City: | DEARBORN | |
| State/Country: | MICHIGAN | |
| Postal Code: | 48126 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15372910 |

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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Email: dgreig@brookskushman.com BROOKS KUSHMAN P.C. **Correspondent Name:**

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| ATTORNEY DOCKET NUMBER: | 83745634 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | DAVID L. COPPIELLIE |
| SIGNATURE: | /David L. Coppiellie/ |
| DATE SIGNED: | 12/18/2016 |

Total Attachments: 3

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> **PATENT** REEL: 040653 FRAME: 0815 504133351

| Attorney Docket Number | 83745634 |
|------------------------|----------|
| | |

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 | DUST RESUSPENSION SYSTE | EM FOR A MOT | ror vehic | ;LE |
|--|--|---|--|---|
| This declaration is directed to: | | | | |
| Unite | ttached application, or d States application or PCT international app filed on, (1 hereby au hen they become known.) | lication number thorize the insertion | of the applica | ation filing date and |
| The above-identified ap | plication was made or authorized to be made | by me. | | |
| I hereby state that I ha including the claims. | ve reviewed and understand the contents o | f the specification is | n the above-id | lentified application. |
| I believe that I am the or | riginal inventor or an original joint inventor o | f a claimed inventio | n in the applica | ation. |
| I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national 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 the ASSIGNEE, its stor the inventions and dname or names, or in minsert the serial/applica 15/372,910 ASSIGNEE, its success applications, in and to the state of the serial success applications, in and to the state of the serial success applications, in and to the state of t | ment agreement heretofore made or by con INOLOGIES, LLC, a Ford Motor Company re, having its principal place of business at stee ASSIGNEE, its successors, assigns of oreign, in and to the inventions and discoveriuccessors, assigns or other legal representation is a second and an an an and all countries, entities any name, at its or their election (and I hereby ation number and filing date of the applearment. Filing Date December 8, 2016 per | Dearborn, County or other legal represents in the above-identives to make application to receive authorize the ASSIC ication to receive authorize the ASSIC ication to receive authorize the ASSIC ication to receive and I here is, all rights of precountries, entities are | d and existing of Wayne, and entatives, the entified invention and to real organization GNEE or ASSI Letters Patent by sell, assign riority, including intergoverning in the content of th | by virtue of the laws of State of Michigan, entire right, title and on including the right eceive Letters Patent s, in its or their own IGNEE's attorney to herein: Serial No. I and set over to the ing any provisional mental organizations |
| including applications f organizations, and to pe | myself, my heirs, successors, assigns or oth for Letters Patent of any and all kinds and in rform any and all acts which the ASSIGNE secure thereto the rights herein sold, assigned | n any and all countr E. its successors, ass | ies, entities an | d intergovernmental |
| And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein. | | | | |
| or imprisonment of not i | nat any willful false statement made in this once than five (5) years or both. | declaration is punish | able under 18 | U.S.C. 1001 by fine |
| LEGAL NAME OF INV | | | 00 45 | Onic |
| Inventor: <u>Marcel</u> | Mathissen | Date: | 06,12. | 1016 |
| Signature: <u>cll.</u> | Mallen | | | |
| Note: An Application Da | a Sheet (PTO/SB/14 or equivalent), including na | iming the entire invent | tive entity, must | accompany this form. |

PATENT REEL: 040653 FRAME: 0816 Please direct all correspondence to: 28395

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| | | 83745634 |
| | CHARLEST CONTRACTOR CONTRACTOR CONTRACTOR | |

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 | DUST RESUSPENSION SYSTEM FOR A MOTOR VEHICLE | | |
|--|--|--|--|
| This declaration is directed to: | | | |
| | sached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.) | | |
| The above-identified app | lication was made or authorized to be made by me. | | |
| I hereby state that I have including the claims. | re reviewed and understand the contents of the specification in the above-identified application, | | |
| I believe that I am the ori | ginal inventor or an original joint inventor of a claimed invention in the application. | | |
| I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. | | | |
| 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 displayed in the serial/applications and to the serial form of the serial fo | 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 e, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own mame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Serial No. , Filing Date December 8, 2016), and I hereby sell, assign and set over to the sors, assigns or other legal representatives, all rights of priority, including any provisional e inventions and discoveries in any and all countries, entities and intergovernmental organizations as claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, are applications. The 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. | | |
| | nd warrant that I have not granted any rights inconsistent with the rights granted herein. | | |
| or imprisonment of not n | at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both. | | |
| LEGAL NAME OF INV Inventor: Volker S | / // 1 1417 K | | |
| | M M | | |
| | a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor. | | |

PATENT REEL: 040653 FRAME: 0817

| The state of the s | |
|--|----------|
| Attorney Docket Number | 83745634 |

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 DUST RESUSPENSION SYSTEM FOR A MOTOR VEHICLE | | | | |
|---|--|--|--|--|
| This declaration is directed to: | | | | |
| X The attached application, or United States application or PC1 international application number filed on (1 hereby authorize the insertion of the application filing date and number into this form when they become known.) | | | | |
| The above-identified application was made or authorized to be made by me. | | | | |
| I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims. | | | | |
| I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. | | | | |
| I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. | | | | |
| Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. 15/372,910 | | | | |
| And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over. | | | | |
| And I hereby represent and 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 or imprisonment of not more than five (5) years or both. | | | | |
| LEGAL NAME OF INVENTOR | | | | |
| Inventor: Rainer Vogt Olf CF Date: 8.12. 2016 | | | | |
| Signature: | | | | |
| Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form | | | | |

PATENT REEL: 040653 FRAME: 0818

RECORDED: 12/18/2016