### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5107017

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT   |
|------------------|---|
|                  | Corrective Assignment to correct the RECEIVING PARTY DATA FROM FORD GLOBAL TECHNOLOGIES, LLC TO FORD MOTOR COMPANY previously recorded on Reel 043815 Frame 0609. Assignor(s) hereby confirms the ASSIGNMENT. |
|                  |   |

#### **CONVEYING PARTY DATA**

| Name                     | Execution Date |
|--------------------------|----------------|
| DAN G. BUSCUIOC          | 10/03/2017     |
| BERNARD GERARD MARCHETTI | 10/03/2017     |
| TIMOTHY R. BEARD         | 10/03/2017     |
| KALYANARAMAN BHATHAN     | 10/03/2017     |

#### **RECEIVING PARTY DATA**

| Name:           | FORD MOTOR COMANY |
|-----------------|-------------------|
| Street Address: | ONE AMERICAN ROAD |
| City:           | DEARBORN          |
| State/Country:  | MICHIGAN          |
| Postal Code:    | 48126             |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15725871 |

#### **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.

**Phone:** 248-358-4400

Email: svachon@brookskushman.com

Correspondent Name: BROOKS KUSHMAN P.C.

Address Line 1: 1000 TOWN CENTER, 22ND FLOOR Address Line 4: SOUTHFIELD, MICHIGAN 48075

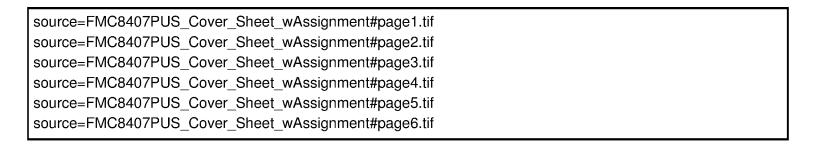
| ATTORNEY DOCKET NUMBER: 83861241 |                    |
|----------------------------------|--------------------|
| NAME OF SUBMITTER:               | JAMES A. BERTINO   |
| SIGNATURE:                       | /James A. Bertino/ |
|                                  |                    |

**DATE SIGNED:** 08/23/2018

**Total Attachments: 6** 

PATENT REEL: 047479 FRAME: 0610

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### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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

#### **CONVEYING PARTY DATA**

| Name                     | Execution Date |
|--------------------------|----------------|
| DAN G. BUSUIOC           | 10/03/2017     |
| BERNARD GERARD MARCHETTI | 10/03/2017     |
| TIMOTHY R. BEARD         | 10/03/2017     |
| KALYANARAMAN BHARATHAN   | 10/03/2017     |

#### **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: | 15725871 |

#### **CORRESPONDENCE DATA**

Fax Number:

(248)358-3351 248-358-4400

Phone:

svachon@brookskushman.com 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.

Correspondent Name:

BROOKS KUSHMAN P.C.

Address Line 1:

1000 TOWN CENTER, 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

| ATTORNEY DOCKET NUMBER: | 83861241           |
|-------------------------|--------------------|
| NAME OF SUBMITTER:      | JAMES A. BERTINO   |
| Signature:              | /James A. Bertino/ |

**REEL: 047479 FRAME: 0612** 

Total Attachments: 4
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RECEIPT INFORMATION

EPAS ID: PAT4632220
Receipt Date: 10/09/2017

file:///C:/Users/svachon/AppData/Local/Microsoft/Windows/Temporary%20Ir**RATEENT**F... 8/23/2018

| Attorney Docket Number | 83861241 |
|------------------------|----------|
|                        |          |

# 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   | VEHICLE AND VEHICLE BUMPER   |
|--|--|
| This declaration is direct   | red tö:  |
| The attached application, or  United States application of PCT international application number  filed on  |  |
| The above-identified app   | plication was made or authorized to be made by me.   |
| Is hereby state that I had including the claims.   | ve reviewed and understand the contents of the specification in the above-identified application,  |
| I believe that I am the or   | iginal inventor or an original joint inventor of a claimed invention in the application.   |
| continuation-in-part api   | o disclose information which is material to patentability as defined in 37.C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior international filing date of the continuation-in-part application.  |
| FORD MOTOR COMP place of business at De successors, assigns or conventions and discoveriother legal representativall countries, entities and election (and I hereby and date of the application of the appl | ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto ANY, organized and existing by virtue of the laws of the State of Delaware, having its principal arborn, County of Wayne, and State of Michigan, hereinafter referred to as the ASSIGNEE, its other legal representatives, the entire right, fittle and interest, domestic and foreign, in and to the less in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or es to make applications and to receive Letters Patent for the inventions and discoveries in any and dintergovernmental organizations, in its or their own name or names, or in my name, at its or their uthorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing in to receive Letters Patent herein: Serial No. 15/725,871 Filing Date ), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other rights of priority, including any provisional applications. In and to the Inventions and discoveries in antities and intergovernmental organizations including all applications claiming benefit of the filing its, continuations in-part, divisionals, reexaminations and reissue applications.  myself, my heirs, successors, assigns or other legal representatives to execute any and all papers.   |
| including applications for organizations, and to pe  | or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental 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 I hereby-represent a   | and warrant that I have not granted any rights inconsistent with the rights granted herein.  |
|  | nat 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 INVITATION INVENTOR: Dan G. E  | VENTOR 10/3 / 2017   |
| Signature:   | worked   |
|  | A TOTAL OF THE PART OF THE PAR |
| Note: An Application Day Use an additional declaration   | la Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.  |

| Attorney Docket Number | 83861241 |
|------------------------|----------|
|                        |          |

# 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   | VEHICLE AND VEHICLE BUMPER  |  |
|--|---|--|
| This declaration is direct   | ed to:  |  |
| X The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and number into this form when they become known.)  |   |  |
|  | lication 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 or   | iginal 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 MOTOR COMPANY, organized and existing by virtue of the laws of the State of Delawarc, 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. 15/725,871 Filing Date October 5, 2017, and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications. |   |  |
| 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 a   | 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 INV  | /ENTOR 04# 3 2017   |  |
| 1  | Gerard Marchetti  |  |
| Signature: Sum G Manhitt.  |   |  |
| Note: An Application Da Use an additional declarati  | ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor. |  |

| Attorney Docket Number | 83861241 |
|------------------------|----------|
|                        |          |

## 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  | VEHICLE AND VEHICLE BUMPER   |  |
|---|--|--|
| This declaration is direct  | ed to:   |  |
| X The attached application, or United States application or PCT international application number filed on (I 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 MOTOR COMPANY, 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. 15/725,871 , Filing Date October 5, 2017 , and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications. |  |  |
| 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 IN  | VENTOR / / w/2/17  |  |
| Inventor: <u>Timothy</u>  | R Beard Date: /0/3///  |  |
| Signature:  | <u></u>  |  |
| Note: An Application Da   | the 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.  |  |

Please direct all correspondence to: 28395

**RECORDED: 08/23/2018** 

| Attorney Docket Number    | 1 83861241                            |  |
|---------------------------|---------------------------------------|--|
| L'AROTTE LIOCKEL MIIIIGEL | 1 0.3001241                           |  |
| Attorney Doonet Hames     | O O O O O O O O O O O O O O O O O O O |  |
|                           |                                       |  |

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

| Title of Invention   | VEHICLE AND VEHICLE BUMPER  |  |
|--|---|--|
| This declaration is direct   | ed to:  |  |
| X The attached application, or United States application or PCF international application number filed on (I 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 and 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 MOTOR COMPANY, 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. 15/725.871, Filing Date.  October 5, 2017, and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, entities and intergovernmental organizations including all applications claiming benefit of the illing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.  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 intergovernmental papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental papers, including applications for Letters Patent of any and all kinds and in any and all countries, entiti |   |  |
| 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.   |   |  |
|  |   |  |
| 1.   | Bhanthan  |  |
| Signature:   |   |  |
| Note: An Application Dat   | as Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entiry, must accompany this form. |  |

REEL: 047479 FRAME: 0617