503945440 08/04/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3992096

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| PIETRO BUTTOLO | 07/21/2016 |
| STUART C. SALTER | 08/03/2016 |
| JAMES STEWART RANKIN II | 07/21/2016 |
| JAMES J. SURMAN | 07/21/2016 |
| ANNETTE LYNN HUEBNER | 07/25/2016 |
| JEFFREY A. WALLACE | 07/21/2016 |
| CORNEL LEWIS GARDNER | 07/25/2016 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15227940 |

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: 2483584400

Email: pdemos@brookskushman.com
Correspondent Name: BROOKS KUSHMAN P.C./FGTL

Address Line 1: 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

| ATTORNEY DOCKET NUMBER: | 83650688 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | DAVID S. BIR |
| SIGNATURE: | /David S. Bir/ |

| DATE SIGNED: | 08/04/2016 |
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| Total Attachments: 7 | |
| source=Executed_Assignment_and_De | claration#page1.tif |
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| source=Executed_Assignment_and_Dec | claration#page5.tif |
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| source=Executed_Assignment_and_De | claration#page7.tif |

| Attorney Docket Number | 83650688 |
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| Title of Invention | WEHICLE RIDE SHARING SYSTEM AND METHOD USING SMART MODULES | | |
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| This declaration is directed to: | | | |
| | ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and en they become known.) | | |
| The above-identified app | 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 ori | 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 lications, 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 TECHT of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and diname or names, or in my insert the serial/applicat 15/227,940 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 be having its principal place of business at Dearborn, County of Wayne, and State of Michigan, as 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 secoveries 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 the number and filing date of the application to receive Letters Patent herein: Serial No. ——————————————————————————————————— | | |
| including applications for organizations, and to per | 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 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. | | |
| And I hereby represent a | 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: Pietro B Signature: | Wallette Date: 07.00 | | |
| | a 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 | 83650688 |
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| Title of Invention | VEHICLE RIDE SHARING SYSTEM AND METHOD USING SMART MODULES |
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| United | ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and |
| number into this form wh | ien they become known.) |
| | lication was made or authorized to be made by me. |
| I hereby state that I have including the claims. | ve reviewed and understand the contents of the specification in the above-identified application, |
| | iginal inventor or an original joint inventor of a claimed invention in the application. |
| and a series of the second comments of the se | o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for polications, 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 fo of the ASSIGNEE, its for the inventions and d name or names, or in m insert the serial/applic 15/227,940 ASSIGNEE, its succe applications, in and to t including all application reexaminations and reis And I hereby agree for including applications. | myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental erform 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 more than five (5) years or both. |
| LEGAL NAME OF IN | IVENTOR , $//$ S $\times/$ 5 $/$ $/$ 0 1 0 |
| Inventor: Stuart C | Salter Date: |
| Signature: | Shrew C. Jakk |
| Note: An Amilication I | Pata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. |
| Use an additional declars | tion form for each additional inventor. |

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| Attorney Docket Number | |

| Title of Invention VEHICLE RIDE SHARING SYSTEM AND METHOD USING SMART |
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| MODULES This declaration is directed to: |
| This declaration is unceed to. |
| X The attached application, or |
| United States application or PCT international application number |
| number into this form when they become known.) (I hereby authorize the insertion of the application filing date and |
| 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. 15/227,940 , Filing Date August 3, 2016), 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 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 INVENTOR 7 (2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 |
| Inventor: James Stewart Rankin II Date: 7/21/16 |
| Signature: Jany Mh 4 |
| Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. |
| Use an additional declaration form for each additional inventor. |

| Attorney Docket Number | 83650688 |
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| Title of Invention | WEHICLE RIDE SHARING SYSTEM AND METHOD USING SWART |
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| This declaration is direct | THE PERSON OF TH |
| X The at | tached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and nen they become known.) |
| The above-identified app | olication was made or authorized to be made by me. |
| | 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 apr | o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for polications, material information which became available between the filing date of the prior and 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 fo of the ASSIGNEE, its for the inventions and d name or names, or in m insert the serial/applica 15/227,940 ASSIGNEE, its succe applications, in and to including all application reexaminations and reis And I hereby agree for including applications organizations, and to p | myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental erform 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 | that 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 IN | VENTOR 7/21/20/6 |
| | Surman Date: //A//20/20 |
| Signature: | my y wmm |
| Note: An Application D | ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. |

| Attorney Docket Number | 83650688 |
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| Title of Invention | VEHICLE RIDE SHARING SYSTEM AND METHOD USING SMART |
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| | MODULES |
| This declaration is directed | ed to: |
| ☐ United | tached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and |
| number into this form wh | nen they become known.) |
| The above-identified app | lication was made or authorized to be made by me. |
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| I believe that I am the or | iginal inventor or an original joint inventor of a claimed invention in the application. |
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| 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 filling date of the application to receive Letters Patent herein: Serial No. 15/227,940 , Filing Date August 3, 2016 , 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 7.7 C.1/ |
| Inventor: Annette | Lynn Huebner Date: 1, 2, 3, 1, 6 |
| Signature: Unotti Fyon Hulbre | |
| Note: An Application Do | ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, ion form for each additional inventor. |

Please direct all correspondence to: 28395

| Attorney Docket Number | 83650688 |
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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 | WEHICLE RIDE SHARING SYSTEM AND MODULES | METHOD DSING SMAKT |
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| This declaration is directed | *************************************** | |
| X The att United | ttached application, or d States application or PCT international application number filed on (I hereby authorize the inserti- then they become known.) | ion of the application filing date and |
| The above-identified app | plication was made or authorized to be made by me. | |
| I hereby state that I hav including the claims. | we reviewed and understand the contents of the specification | n in the above-identified application, |
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| continuation-in-part app | to disclose information which is material to patentability as de plications, material information which became available bonal or PCT international filing date of the continuation-in-part | etween the filing date of the prior |
| 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. 15/227,940 , Filing Date August 3, 2016 , 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 s | 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 INV | VENTOR | 7-21-2016 |
| | A. Wallace Date: | Version of the second of the s |
| Signature: | HJ ff VULLEV | |
| Note: An Application Dat | ata Sheet (PTO/SB/14 or equivalent), including naming the entire in | ventive entity, must accompany this form. |

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| Attorney Docket Number | 83650688 |

| | VEHICLE RIDE SHARING SYSTEM AND METHOD USING SMART MODULES |
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| FORD GLOBAL TECHNO of the State of Delaware, hereinafter referred to as a interest, domestic and fore of the ASSIGNEE, its suc for the inventions and disc name or names, or in my a insert the serial/application 15/227,940 ASSIGNEE, its successo applications, in and to the including all applications reexaminations and reissue. And I hereby agree for m including applications for organizations, and to perfect the state of the state | on number and filing date of the application to receive Letters Patent herein: Serial No., Filing Date August 3, 2016 To, assigns or other legal representatives, and intergovernmental organizations and set over to the applications and discoveries in any and all countries, entities and intergovernmental organizations. Serial No., Filing bate August 3, 2016 To, and I hereby sell, assigns and set over to the representatives, and intergovernmental organizations. Serial No., Filing bate August 3, 2016 To, and I hereby sell, assign and set over to the representatives in any and all countries, entities and intergovernmental organizations. Serial No., Filing bate August 3, 2016 To, and I hereby sell, assign and set over to the representatives, all rights of priority, including any provisional inventions and discoveries in any and all countries, entities and intergovernmental organizations claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, emplications. To the August 3, 2016 To the representatives to execute any and all papers, Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations and any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives cure thereto the rights herein sold, assigned and set over. |
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| LEGAL NAME OF INVE | |
| Inventor: Cornel Lev | March Date. |
| Signature: (M) | 11 11 on part |
| | Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, form for each additional inventor. |

PATENT REEL: 039339 FRAME: 0235

RECORDED: 08/04/2016