504882810 04/24/2018

EPAS ID: PAT4929551

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 |
|---------------------------------|----------------|
| JUAN ENRIQUE CASTORENA MARTINEZ | 04/23/2018 |
| GINTARAS VINCENT PUSKORIUS | 04/23/2018 |
| GAURAV PANDEY | 04/23/2018 |

RECEIVING PARTY DATA

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| City: | DEARBORN | |
| State/Country: | MICHIGAN | |
| Postal Code: | 48126 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15960902 |

CORRESPONDENCE DATA

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Address Line 2: SUITE 800

Address Line 4: SOUTHFIELD, MICHIGAN 48075

| ATTORNEY DOCKET NUMBER: | 83953281(65080-2856) |
|-------------------------|--|
| NAME OF SUBMITTER: | DANIEL E. HEGNER |
| SIGNATURE: | /Daniel E. Hegner/ |
| DATE SIGNED: | 04/24/2018 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 3

source=83953281 65080 2856 Combined Declaration and Assignment signed by all 3 inventors#page1.tif source=83953281_65080_2856_Combined_Declaration_and_Assignment_signed_by_all_3_inventors#page2.tif

source=83953281_65080_2856_Combined_Declaration_and_Assignment_signed_by_all_3_inventors#page3.tif

| Attorney Docket Number | 83953281 | (65080-2856) |
|------------------------|----------|--------------|
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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 | SENSOR CALIBRATION |
|--|--|
| This declaration is direct | ed to: |
| United | tached application, or I 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 | dication 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, |
| I believe that I am the or | iginal inventor or an original joint inventor of a claimed invention in the application. |
| continuation-in-part app | o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for discations, 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 s for the inventions and de name or names, or in my insert the serial/applica 15/960,902 ASSIGNEE, its succes applications, in and to the | ment 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 successors, 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 or name, 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 |
| including applications for organizations, and to pe | 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 aform 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 r | at 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 Inventor:Iuan Enric | ENTOR pue Castorena Martinez Date: 04-23-2018 |
| Signature: Ju | |
| 0 | |
| | a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, form for each additional inventor. |

| Attorney Docket Number | 83953281(65080-2856) |
|------------------------|----------------------|

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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| This declaration is directed | ed 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 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. |
| FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and disname or names, or in my insert the serial/applications. 15/960,902 ASSIGNEE, its successed applications, in and to the | 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. |
| including applications for organizations, and to perf | 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. |
| And I hereby represent and | d warrant that I have not granted any rights inconsistent with the rights granted herein. |
| or imprisonment of not me | t any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine one than five (5) years or both. |
| LEGAL NAME OF INVE | |
| 11. | incent Paskorius Date: 7 23 2018 |
| Signature: Little Vu | not fam |
| | Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. |

RECORDED: 04/24/2018

| Attorney Docket Number | 83953281(65080-2856) |
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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)

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| This declaration is directe | 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 then they become known.) |
| The above-identified app | lication was made or authorized to be made by me. |
| I hereby state that I hav 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. |
| continuation-in-part app | o 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 TECHI of the State of Delaward 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/applicat 15/960,902 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 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 name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the filing date of the application to receive Letters Patent herein: Serial No. ——————————————————————————————————— |
| including applications fo 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 and warrant that I have not granted any rights inconsistent with the rights granted herein. | |
| | 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 | 4 100 0040 |
| Inventor: Gauray Pa | · · · |
| Signature: <u>Optimi</u> | w Pandy |
| Note: An Application Data | a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. |
| Hee an additional declaration | n form for each additional inventor |