01/19/2017 504187367

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4234042

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| OLIVER BERKEMEIER | 01/13/2017 |
| BERND STEINER | 01/13/2017 |
| GEORG LOUVEN | 01/18/2017 |
| KLEMENS GRIESER | 01/17/2017 |
| HELMUT HANS RUHLAND | 01/16/2017 |

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: | 15410664 |

CORRESPONDENCE DATA

Fax Number: (503)459-4142

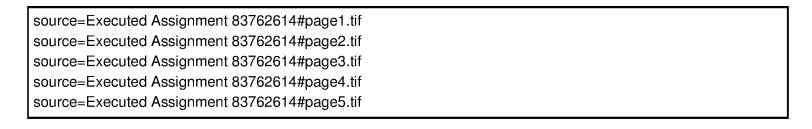
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 503-459-4141 Email: Tapia@ahmrt.com MCCOY RUSSELL LLP **Correspondent Name:**

Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205

| ATTORNEY DOCKET NUMBER: | 83762614 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | ASHLEY R. TAPIA |
| SIGNATURE: | /Ashley R. Tapia/ |
| DATE SIGNED: | 01/19/2017 |

Total Attachments: 5



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

| Title of Invention | ARRANGEMENT FOR INTRODUCING WATER INTO THE INTAKE MANIFOLD OF AN INTERNAL COMBUSTION ENGINE AND CONTROL DEVICE |
|--|--|
| This declaration is direct | ed to: |
| United | States application or PCT international application number |
| The above-identified app | lication 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 ori | ginal inventor or an original joint inventor of a claimed invention in the application. |
| continuation-in-part app | 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 filling date of the prior nal or PCT international filling date of the continuation-in-part application. |
| FORD GLOBAL TECHI of the State of Delawars hereinafter referred to as interest, domestic and for of the ASSIGNEE, its state for the inventions and diname or names, or in my insert the serial/applicated 15/410,664 Application No. 1020162 on January 28, 2016), a representatives, all rights and all countries, entities hereof, continuations, con | 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 to having its principal place of business at Dearborn, County of Wayne, and State of Michigan, in 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 excessors, 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 ion number and filing date of the application to receive Letters Patent herein: Serial No. ——————————————————————————————————— |
| including applications fo organizations, and 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 secure thereto the rights herein sold, assigned and set over. |
| And I hereby represent ar | nd 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 or than five (5) years or both. |
| LEGAL NAME OF INV | |
| Signature: | Å Amount |
| | Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. |
| | n form for each additional inventor, |

Please direct all correspondence to customer number: 36865

| ************************************ | |
|--------------------------------------|----------|
| Attorney Docket Number | 83762614 |

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 | ARRANGEMENT FOR INTRODUCING WATER INTO THE INTAKE MANIFOLD OF AN INTERNAL COMBUSTION ENGINE AND CONTROL DEVICE |
|---|---|
| This declaration is direct | ed to: |
| United | tached application, or States application or PCT international application number filed on |
| The above-identified app | lication was made or authorized to be made by me. |
| I hereby state that I hav including the claims. | e 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 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 tall or PCT international filing date of the continuation-in-part application. |
| FORD GLOBAL TECHY of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sur- for the inventions and dis name or names, or in my insert the serial/application 15/410,664 Application No. 1020162 on January 28, 2016), ar representatives, all rights and all countries, entities hereof, continuations, con And I hereby agree for m including applications for organizations, and to perf | 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 to 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 excessors, 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. ——————————————————————————————————— |
| may deem necessary to se | cure thereto the rights herein sold, assigned and set over. d warrant that I have not granted any rights inconsistent with the rights granted herein. |
| | |
| or imprisonment of not mo | it 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 | |
| inventor: Bernd Ste | Date: 0//1/2014 |
| Signature: | |
| Note: An Application Data Use an additional declaration | Sheet (PTO/SB/)4 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor. |

| Attorney Docket Number | 83767613 |
|--------------------------|----------|
| remounds imposed removed | 03794014 |
| | |

| Title of Invention | ARRANGEMENT FOR INTRODUCING WATER INTO THE INTAKE MANIFOLD OF AN INTERNAL COMBUSTION ENGINE AND CONTROL DEVICE |
|---|---|
| This declaration is direct | ed to: |
| United | tached application, or I States application or PCT international application number flied on (I hereby authorize the insertion of the application filing date and nen 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. | 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 discions, 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 Delaward hereinafter referred to a interest, domestic and to of the ASSIGNEE, its suffor the inventions and diname or names, or in my insert the serial/applica 15/410,664 Application No. 102016; on January 28, 2016), a representatives, all rights and all countries, entities hereof, continuations, coldand I hereby agree for tincluding applications to organizations, and to per | 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 mane, 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 |
| • | nd wagrant 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 tore than five (5) years or both. |
| LEGAL NAME OF INV | ry ench |
| Inventor: Georg L | |
| Signature: | |
| | Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor. |

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| Attorney Docket Number 83762614 | - 1 |
| With the Tanger of Landing 1 payone a | - 1 |

| line of invention | AN INTERNAL COMBUSTION ENGINE AND CONTROL DEVICE | |
|---|--|--|
| This declaration is directed to: | | |
| United | ached application, or States application or PCT international application number filed on | |
| manyer into this main wi | en usey 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. | e 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 | 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 rat 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 suffor the inventions and diname or names, or in my insert the serial/applicat 15/410,664 Application No. 1020162 on January 28, 2016), a representatives, all rights and all countries, entities hereof, continuations, con And I hereby agree for rincluding applications fo organizations, and to per | 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 and 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. Filing Date January 19, 2017, which claims priority to German Patent 101276.2, filed on January 28, 2016, and to German Patent Application No. 102016201277.0, filed and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal of priority, including any provisional applications, in and to the inventions and discoveries in any and intergovernmental organizations including all applications claiming henefit of the filing date ulmutations-in-part, divisionals, reexaminations and reissue applications. Inyself, 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 between the rights herein sold, assigned and set over. | |
| And I hereby represent as | 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 over than five (5) years or both. | |
| LEGAL NAME OF INV | | |
| Inventor: Klemens, | Grieser Date: 1, fl.d.a. 4, 4 | |
| Signature: | Kill y | |
| Note: An Analization Date | // Sheet (PTO/SB/)4 or equivalent), including naming the entire inventive entity, must accompany this form. | |
| | n form for each additional inventor. | |

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|---|--|
| Attorney Docket Number | 83762614 |

| 1 1107 (21 1381 523135135 | AN INTERNAL COMBUSTION ENGINE AND CONTROL DEVICE |
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| This declaration is directed | rd to: |
| ☐ United | ached application, or States application or PCT international application number filed on |
| number into this form wh | 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 orig | 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 form of the ASSIGNEE, its state for the inventions and dismame or names, or in my insert the serial/application 15/410,664 Application No. 10201624 on January 28, 2016), an representatives, all rights cand all countries, entities hereof, continuations, continuations for organizations, and to perfect the state of the serial applications for organizations, and to perfect the state of the state o | ent agreement hereitofore 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 sign, 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 January 19, 2017, which claims priority to German Patent 1276.2, filed on January 28, 2016, and to German Patent Application No. 102016201277.0, filed of I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal of priority, including any provisional applications, in and to the inventions and discoveries in any and intergovernmental organizations including all applications claiming benefit of the filing date invastions-in-part, divisionals, reexaminations and reissue applications. Syself, my heirs, successors, assigns or other legal representatives to execute any and all papers, 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 |
| | ture 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 or imprisonment of not mo | any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine re than five (5) years or both. |
| LEGAL NAME OF INVE | |
| Inventor: <u>Helmut Hau</u> Signature: // | 18 Ruhland Date: |
| V | |
| Note: An Application Deta S Use an additional declaration | theet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor. |

PATENT REEL: 041021 FRAME: 0567

RECORDED: 01/19/2017