PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3282894

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| RALF KUTZINSKY | 03/20/2015 |
| JUERGEN MEIER-SPONHEUER | 03/20/2015 |
| WILFRIED BAEUMLER | 03/23/2015 |
| RALF MICHELS | 03/23/2015 |
| OLIVER NAUMANN | 03/23/2015 |

RECEIVING PARTY DATA

| Name: | FORD GLOBAL TECHNOLOGIES, LLC | |
|-----------------|-------------------------------|--|
| Street Address: | idress: 330 TOWN CENTER DRIVE | |
| City: | DEARBORN | |
| State/Country: | MICHIGAN | |
| Postal Code: | 48126 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14669047 |

CORRESPONDENCE DATA

Fax Number: (859)252-0779

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: 859-252-0889 **Email:** lisa@iplaw1.net

Correspondent Name: FORD GLOBAL TECHNOLOGIES, LLC/ KING & SC

Address Line 1: 247 NORTH BROADWAY

Address Line 4: LEXINGTON, KENTUCKY 40507

| ATTORNEY DOCKET NUMBER: 83516844 | |
|--|------------|
| NAME OF SUBMITTER: WARREN D. SCHICKLI | |
| SIGNATURE: /WARREN D. SCHICKLI/ | |
| DATE SIGNED: | 03/26/2015 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| | |

Total Attachments: 5

PATENT REEL: 035259 FRAME: 0487

503236276



| Attorney Docket Number | 83516844 |
|------------------------|----------|

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).

| Liftic of Invention Sealing Device | | |
|--|--|--|
| This declination is directed to: | | |
| The attached application, or United States application or PCT international application number filed on | | |
| 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. 14/669,049, Filing Date March 26, 2015), 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, recommendations 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 Inventor: Juergen Meier-Sponheuer Date: March 20 , 2015 Signature: Jan | | |
| Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. | | |

Please direct all correspondence to:

| | | | |
|-----------------|--------|----------|------|
| Attorney Docket | Number | 83516844 | |

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 | Sealing Device | |
|---|--|--|
| This declaration is directed to: | | |
| The attached application, or United 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 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. | |
| 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. 14/669,047 Filing Date March 26, 2015 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 INV Inventor: Oliver N | ENTOR /Q //2 // / | |
| Note: An Application Data | i Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor. | |

| Attorney Docket Number | 83516844 |
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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)

| i me or invention | Sealing Device | |
|--|--|--|
| This declaration is direct | ted to: | |
| United | ttached application, or d States application or PCT international application number filed on | |
| The above-identified app | olication was made or authorized to be made by me. | |
| I hereby state that I har 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 plications, 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 for of the ASSIGNEE, its sfor the inventions and dname or names, or in minsert the serial/applications, its successapplications, in and to the | ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto INOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws re, 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 oreign, in and to the inventions and discoveries in the above-identified invention including the right nuccessors, assigns or other legal representatives to make applications and to receive Letters Patent iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ation number and filing date of the application to receive Letters Patent herein: Serial No. "Filing Date March 26, 2015 —), and I hereby sell, assign and set over to the issors, assigns or other legal representatives, all rights of priority, including any provisional he inventions and discoveries in any and all countries, entities and intergovernmental organizations has claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, see 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. | |
| or imprisonment of not a | hat 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: Ralf Mi Signature: L | ichels Date: 12, 3, 0 V 13 2. Mille | |
| Note: An Application Det | ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form | |
| | on form for each additional inventor | |

Please direct all correspondence to:

| | , |
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| Attorney Docker Number | |
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ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR

| Title of Invention Sealing Device | | |
|---|--|--|
| This declaration | i is directed to: | |
| .8278 | The attached application, or | |
| | United States application or PCT international application number | |
| , Ei. | filed on | |
| The above-iden | itified application was made or authorized to be made by me. | |
| I hereby state including the c | that I have reviewed and understand the contents of the specification in the above-identified application, laims. | |
| believe that I | am the original inventor or an original joint inventor of a claimed invention in the application. | |
| continuation in | he duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for part applications, material information which became available between the filing date of the prior the national or PCT international filing date of the continuation-in-part application. | |
| FORD GLOBA of the State of hereinafter refe interest, domes of the ASSIGN for the invention name or names insert the serion 14/669,04 ASSIGNEF, in applications, in including all a | remployment agreement heretofore made or by contractual obligation. I do sell, assign and set over unto at TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, thered to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and tic and foreign, in and to the inventions and discoveries in the above-identified invention including the right its successors, assigns or other legal representatives to make applications and to receive Letters Patent ones and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own, or in my name, at its or their election (and I hereby authorize the ASSIGNEE's attorney to al/application number and filing date of the application to receive Letters Patent herein: Serial No. 7 | |
| including appli organizations, i | igree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, cations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives assay to secure thereto the rights herein sold, assigned and set over. | |
| And I hereby re | present and warrant that I have not granted any rights inconsistent with the rights granted herein. | |
| or imprisonmer | wiedge that any willful false statement made in this declaration is punishable under $18 \cup S.C. 1001$ by fine $18 \text{ of not more than five } (5) \text{ years or both.}$ | |
| | E OF INVENTOR Wilfried Basumler Date: MAZW78, 2075 | |
| | Wilfried Baeumler Date: 7744772 | |
| Signature: | | |
| Note: An Appli Use an additiona | cation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. I declaration form for each additional inventor. | |
| *************************************** | | |
| | Attention Docket Number \$25 £944 | |

PATENT

REEL: 035259 FRAME: 0492

| | 83516844 | |
|-------------------------|----------|--|
| Autoritey Docker number | 83310844 | |

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 | Sealing Device | | | | |
|---|--|--|--|--|--|
| This declaration is directed to: | | | | | |
| Unite | d States application, or d States application or PCT international application number filed on | | | | |
| The above-identified ap | plication was made or authorized to be made by me. | | | | |
| I hereby state that I had including the claims. | we reviewed and understand the contents of the specification in the above-identified application. | | | | |
| I believe that I am the o | riginal 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. 14/669,047 Filing Date March 26, 2015 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 INV | /ENTOR | | | | |
| Inventor: Ralf Kur Signature: | Company Date: 1168 67, 20, 2010 | | | | |
| | | | | | |
| Note: An Application Dat | a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. | | | | |

PATENT REEL: 035259 FRAME: 0493

RECORDED: 03/26/2015