503989176 09/02/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4035833

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------------|----------------|
| STUART C. SALTER | 08/03/2016 |
| CHRISTOPHER ANTHONY DANOWSKI | 08/31/2016 |
| JAMES J. SURMAN | 08/03/2016 |
| PAUL KENNETH DELLOCK | 08/04/2016 |
| PIETRO BUTTOLO | 08/03/2016 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15254543 |

CORRESPONDENCE DATA

Fax Number: (616)957-8196

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: 616-949-9610

Email: ptomail@priceheneveld.com

Correspondent Name: PRIE HENEVELD LLP/MICHAEL D. TEMPLETON

Address Line 1:695 KENMOOR SEAddress Line 2:P O BOX 2567

Address Line 4: GRAND RAPIDS, MICHIGAN 49501

| ATTORNEY DOCKET NUMBER: | 83672364 |
|-------------------------|--|
| NAME OF SUBMITTER: | MICHAEL D. TEMPLETON |
| SIGNATURE: | /Michael D. Templeton/ |
| DATE SIGNED: | 09/02/2016 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

PATENT 39619 FRAME: 0541

503989176 REEL: 039619 FRAME: 0541

Total Attachments: 5 source=1B67005#page1.tif source=1B67005#page2.tif source=1B67005#page3.tif source=1B67005#page4.tif source=1B67005#page5.tif

| Attorney Docket Number | 83672364 |
|------------------------|----------|

| Title of Invention | VEHICLE LIGHT SYSTEM | |
|---|--|--|
| This declaration is directed | ed to: | |
| 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 app | lication was made or authorized to be made by me. | |
| ., | 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. | |
| 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. | | |
| 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. | | |
| | 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. | |
| Inventor: Stuart C. | | |
| Signature: | Strait C. Sitte | |
| Note: An Application Data | a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. | |
| | n form for each additional inventor. | |

| , · · · · · · · · · · · · · · · · · · · | / |
|---|----------|
| Attorney Docket Number | |
| ~ | <u> </u> |

| Title of Invention | VEHICLE LIGHT SYSTEM | |
|--|---|--|
| This declaration is direct | ed to: | |
| United | sached application, or 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. | 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 | 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 hal or PCT international filing date of the continuation-in-part application. | |
| FORD GLOBAL TECHT of the State of Delaware hereinafter referred to an interest, domestic and fo of the ASSIGNEE, its so for the inventions and di name or names, or in my insert the serial/applica- ASSIGNEE, its success applications, in and to th including all application reexaminations and reissi | | |
| 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 | 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: Christoph | ENTOR er Anthony Danowski Date: \(\frac{7}{3} \frac{7}{7} \frac{7}{7} \rightarrow \) | |
| Signature: | Til William Klarow | |
| | | |
| | s 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 | 83672364 | |
|------------------------|----------|--|
| | | |

| Title of Invention | VEHICLE LIGHT SYSTEM | |
|--|---|--|
| This declaration is directed | d to: | |
| ☐ Inited | sched 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 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 ications, material information which became available between the filing date of the prior all or PCT international filing date of the continuation-in-part application. | |
| FORD GLOBAL TECHN of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicat ASSIGNEE, its success applications, in and to the | tent 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, 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 eccessors, 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. | |
| 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. | | |
| | at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine core than five (5) years or both. | |
| LEGAL NAME OF INV | ENTOR // | |
| Inventor: James J. S | Date: 01/1/2016 | |
| Signature: | | |
| | 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 | 83672364 |
|------------------------|----------|
| | |

| Title of Invention | VEHICLE LIGHT SYSTEM | |
|---|----------------------------------|--|
| This declaration is directed to: | | |
| 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 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. | | |
| 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 INVI | ENTOR eth Dellock Date: 8/4/2016 | |
| Signature: Paul | 2 Kerneth Dellock | |
| 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. | | |

Please direct all correspondence to: 28415

| Attorney Docket Number | 83672364 |
|------------------------|----------|

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 LIGHT SYSTEM | |
|---|----------------------|--|
| This declaration is directed to: | | |
| 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 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. | | |
| 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 INVE | -6// - / | |
| Signature: | ACIMA | |
| 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. | | |

PATENT REEL: 039619 FRAME: 0547

RECORDED: 09/02/2016