503538315 10/23/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3584942

| SUBMISSION TYPE: | | NEW ASSIGNMENT | | |
|--|---|---|----------------|--|
| NATURE OF CONVEYANCE: | | ASSIGNMENT | | |
| CONVEYING PARTY | DATA | | | |
| | | Name | Execution Date | |
| SRIHARI PRASAD GC | NDHI | | 10/15/2015 | |
| SLEIMAN N. ABDELN | OUR | | 10/13/2015 | |
| UDAYAKUMAR RAMASAMI | | | 10/14/2015 | |
| STEPHEN KENNETH | HELWIG | | 10/15/2015 | |
| LI YAN | | 10/13/2015 | | |
| RECEIVING PARTY D | ΑΤΑ | | | |
| Name: | FORD C | GLOBAL TECHNOLOGIES, LLC WN CENTER DRIVE | | |
| Name: Street Address: | FORD C | WN CENTER DRIVE | | |
| Name: Street Address: Internal Address: | FORD (330 TO | WN CENTER DRIVE | | |
| Name: Street Address: Internal Address: City: | FORD C 330 TO SUITE 8 | WN CENTER DRIVE 300 ORN | | |
| Name: Street Address: Internal Address: City: State/Country: | FORD C 330 TO SUITE 8 DEARB | WN CENTER DRIVE 300 ORN | | |
| Name: Street Address: Internal Address: | FORD C 330 TO SUITE 8 DEARB MICHIG 48126 | WN CENTER DRIVE 300 ORN | | |
| Name: Street Address: Internal Address: City: State/Country: Postal Code: | FORD C 330 TO SUITE 8 DEARB MICHIG 48126 | WN CENTER DRIVE 300 ORN | | |

CORRESPONDENCE DATA

| Fax Number: (859)2 | | 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: 859-2 | | 52-0889 | | |
| Email: ford@ | | Viplaw1.net, lcalmes@iplaw1.net | | |
| Correspondent Name: FORD | |) GLOBAL TECHNOLOGIES, LLC/ KING & SC | | |
| Address Line 1: 247 N | | IORTH BROADWAY | | |
| Address Line 4:LEXINGTON, KENTUCKY 40507 | | NGTON, KENTUCKY 40507 | | |
| ATTORNEY DOCKET NUMBER | | 83574483 | | |
| NAME OF SUBMITTER: | | PATRICK M. TORRE | | |
| SIGNATURE: | | /Patrick M. Torre/ | | |
| DATE SIGNED: | | 10/23/2015 | | |
| | | This document serves as an Oath/Declaration (37 CFR 1.63). | | |

| Total Attachments: 5 | | |
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| source=Assignment#page3.tif | | |
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| source=Assignment#page5.tif | | |

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 Inventi | ion | VEHICLE REAR ILLUMINATION SYSTEM | | | |
|--|--|---|--|--|--|
| This declaration is directed to: | | | | | |
| × | The attached application, or United States application or PCT international application number filed on | | | | |
| The above-identi | 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 an | n the or | iginal inventor or an original joint inventor of a claimed invention in the application. | | | |
| continuation-in-p | 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. | | | | |
| FORD GLOBAL of the State of L hereinafter referr interest, domestic of the ASSIGNE for the invention: name of names, of insert the seriab <u>14/886,439</u> ASSIGNEE, its applications, in a including all apprecedent | . TECH Delawars red to a c and fo E, its si s and di or in my /applica success ind to the plication nd reiss | | | | |
| 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 rep | 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 | | | |
| | | A Condition Date: 10/15/2015 | | | |
| Signature: | - Sugar | | | | |
| | | a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor. | | | |

PATENT REEL: 036872 FRAME: 0005

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 Invent | ion | VEHICLE REAR ILLUMINATION SYSTEM | | | | |
|--|--|--|--|--|--|--|
| This declaration i | This declaration is directed to: | | | | | |
| | The attached application, or United States application or PCT international application number filed on | | | | | |
| The above-identi | 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 at | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. | | | | | |
| continuation-in-p | art 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 val or PCT international filing date of the continuation-in-part application. | | | | |
| FORD GLOBAL of the State of I hereinafter referr interest, domestic of the ASSIGNE for the invention name or names, of insert the serials <u>14/886,439</u> ASSIGNEE, its applications, in a | . TECHI Delaware ed to as c and for E, its st s and di- or in my /applical success ad to th plicatior | 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 uccessors, 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 anthorize 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 rep | resent ai | ad 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. | | | | |
| LEGAL NAME | | | | | | |
| Inventor: <u>SI</u> | eiman N | <u>Abgelnour</u> Date: <u>10/13/ /5</u> | | | | |
| Signature: | - | Ste Mulk | | | | |
| | | Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. n form for each additional inventor. | | | | |

PATENT REEL: 036872 FRAME: 0006

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 Inventi | on | VEHICLE REAR ILLUMINATION SYSTEM | | | |
|---|--|---|--|--|--|
| This declaration i | is direc | 1 red to: | | | |
| | The attached application, or United States application or PCT international application number filed on | | | | |
| The above-identi | fied ap | plication was made or authorized to be made by me. | | | |
| I hereby state th including the clai | | ve reviewed and understand the contents of the specification in the above-identified application, | | | |
| I believe that I as | n the o | riginal inventor or an original joint inventor of a claimed invention in the application. | | | |
| continuation-in-r | vart an | to 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 mal or PCT international filing date of the continuation-in-part application. | | | |
| FORD GLOBAI of the State of I hereinafter refer interest, domesti of the ASSIGNI for the inventior name or names, insert the seria <u>14/886,439</u> ASSIGNEE, its applications, in including all applications | TECI Delawa red to c and f 3E, its as and c or in n l/applic succe and to oplicati | 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 successors, assigns or other legal representatives to make applications and to receive Letters Patent discoveries in any and all countries, entities and intergovernmental organizations, in its or their own by 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 | | | |
| including applic | ations nd 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 I hereby rej | present | and warrant that I have not granted any rights inconsistent with the rights granted herein. | | | |
| I hereby acknow | viedge | 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 | OFIN | VENTOR umar Ramasami Date: <u>10-14-2015</u> | | | |
| Signature: | 8/ | Awyselaw | | | |
| 1 | ation D | ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. | | | |
| Use an additional | declara | tion form for each additional inventor. | | | |

PATENT REEL: 036872 FRAME: 0007

101574483 Alloney Dicker Number

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)

VEHICLE REAR ILLUMINATION SYSTEM Title of Invention



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 clauned invention in the application

I am aware of the duty to disclose information which is indicited to patentability as defined in 37 C.F.R. 1.56, including for communication-meant applications, material information which became available between the filing dute 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 self, assign and set over unto FORD OF OBAL TECHNOLOGIES, LLC, a Ferd Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, baving its principal place of business at Dearborn. County of Wayne, and State of Michigan, beremater referred to as the ASSIONEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discovenes 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 us or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the senal/application number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date October by 2015 1 and 1 hereby self, assign and set over to the 11.886.130 ASSIGNEE, its successors awages or other legal representatives, all rights of priority, including any provisional applications, to and to the inventions and discoveries in any and all countries, enduces and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionalis, reexaminations and reassue applications

And I hereby agree for myself, my heas, successors, assigns or other legal representatives to execute any and all papers, meluding applications for Letters Patent of any and all kinds and in any and all countries, entities and intergoveromental organizations and to perform any and all acts which the ASSIGNFE, its successors, assigns or other legal representatives may deem neceasary to secure thereto the rights herein sold, assigned and set over

And [hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

(hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fin or intersection of not more than five (5) sears or both.

| LEGAL NAME (| FINVENTOR | | | 10 15 | 1.000 |
|----------------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-----------------|
| inventor <u>St</u> | <u>ynan Kannal Jerer</u> | | Date: | <u> /// ~ / 2 ~ /</u> / | |
| | 172 | | | | |
| Signature 📝 | <u> </u> | <u> </u> | | | |
| | | | | | |
| Neter An American | ion Data Sheet (NQ/SB/) | 4 or gelivalent), including | naming the entire invent | ve entity, must acco | hopany this for |
| Use an additional de | e lararion form for each 30 | III onal inventor. | P) | ATENT | |

REEL: 036872 FRAME: 0008

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 Inventi | tion VEHICLE REAR ILLUMINATION SYSTEM | | | | |
|--|---|--|--|--|--|
| This declaration i | is directed to: | | | | |
| × | The attached application, or United States application or PCT international application number filed on | | | | |
| The above-identif | The above-identified application was made or authorized to be made by me. | | | | |
| I hereby state the including the clai | nat I have reviewed and understand the contents of the specification in the above-identified application ims. | | | | |
| I believe that I an | m the original inventor or an original joint inventor of a claimed invention in the application. | | | | |
| continuation-in-p | te 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 price the national or PCT international filing date of the continuation-in-part application. | | | | |
| FORD GLOBAL of the State of D hereinalter referr interest, domestic of the ASSIGNE for the inventions name or names, of insert the serial/ <u>14/886,439</u> ASSIGNEE, its applications, in a including all app | employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unt L TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the law Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigar red to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title an c and foreign, in and to the inventions and discoveries in the above-identified invention including the right EE, its successors, assigns or other legal representatives to make applications and to receive Letters Pater is and discoveries in any and all countries, entities and intergovernmental organizations, in its or their ow or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to Mapplication number and filing date of the application to receive Letters Patent herein: Serial Net successors, assigns or other legal representatives, all rights of priority, including any provisions and to the inventions and discoveries in any and all countries, entities and intergovernmental organization polications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisional 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 repi | present and warrant that I have not granted any rights inconsistent with the rights granted herein. | | | | |
| | vedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fin of not more than five (5) years or both. | | | | |
| LEGAL NAME (| OF INVENTOR | | | | |
| Inventor: Li | <u>i Yan</u> Date: <u>////////////////////////////////////</u> | | | | |
| Signature: | <u></u> | | | | |
| Niners A | ation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form | | | | |
| | declaration form for each additional inventor. | | | | |

PATENT REEL: 036872 FRAME: 0009

RECORDED: 10/23/2015