PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3141039

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| DOUGLAS RAYMOND MARTIN | 12/10/2014 |
| MARK ANTHONY ROCKWELL | 12/10/2014 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14565899 |

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 83494720 NAME OF SUBMITTER: ISAAC T. SLUTSKY SIGNATURE: /Isaac T. Slutsky/ **DATE SIGNED:** 12/10/2014

Total Attachments: 2

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> **PATENT** REEL: 034460 FRAME: 0754 503094433

Please direct all correspondence to: 28395

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| Addaminer Danleat Mumban | 1 22/0/720 | |
| Attorney Docket Number | 1 03474/40 | |
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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 Inventi | on ENCRYPTION FOR TELEMATICS FLASHING OF A VEHICLE | | |
|--|--|--|--|
| This declaration is directed to: | | | |
| X | The attached application, or United States application or PCT international application number filed on | | |
| The above-identif | ied application was made or authorized to be made by me. | | |
| I hereby state the including the clai | at I have reviewed and understand the contents of the specification in the above-identified application, ms. | | |
| I believe that I an | 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. | | | |
| FORD GLOBAL of the State of Dhereinaster referrinterest, domestic of the ASSIGNE for the Inventions name or names, consert the serial 14/565,899 ASSIGNEE, its applications, in a including all appreexaminations are | Imployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws relaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, ed to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right E, its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date December 10, 2014 successors, assigns or other legal representatives, all rights of priority, including any provisional and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations oblications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, 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 rep | resent and warrant that I have not granted any rights inconsistent with the rights granted herein. | | |
| or imprisonment | edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both. | | |
| LEGAL NAME | OF INVENTOR | | |
| | ouglas Raymond Martin Date: 13/10/2014 | | |
| Signature: | Congles P. Martin | | |
| Note: An Applica | tion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. | | |

PATENT REEL: 034460 FRAME: 0755 Please direct all correspondence to: 28395

RECORDED: 12/10/2014

| | t Number | | |
|--|----------|--|--|
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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 | ENCRYPTION FOR TELEMATICS FLASHING OF A VEHICLE | | |
|--|--|--|--|
| This declaration is directed to: | | | |
| X The attached application, or United States application or PCT international application numberfiled on | | | |
| The above-identified app | lication 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 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 diname or names, or in my insert the serial/applications. Its successapplications, in and to the serial of the seri | 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 and number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date December 10, 2014 —), and I hereby sell, assign and set over to the sors, 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 are claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, we applications. | | |
| including applications for | 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 rform 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. | | | |
| 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 thony Rockwell Date: 12-16-76-4 | | |
| Signature: | | | |
| Note: An Application Dat | 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: 034460 FRAME: 0756