

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT                  |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
|--|---------------------------------|---------------|-------------------------------|---------------------|---------------------------------|----------------------|-----------------------|----------------------|------------|-------------------------|------------|--------------------------|------------|--------------------------|------------|-------------------|------------|-------------------------------|------------|-----------------|------------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| CONVEYING PARTY DATA   |                                 |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Yifan Chen</td><td>08/10/2011</td></tr><tr><td>Gary Steven Strumolo</td><td>08/10/2011</td></tr><tr><td>Dimitar Petrov Filev</td><td>08/10/2011</td></tr><tr><td>Jeffrey Allen Greenberg</td><td>08/10/2011</td></tr><tr><td>Oleg Yurievitch Gusikhin</td><td>08/10/2011</td></tr><tr><td>Perry Robinson MacNeille</td><td>08/11/2011</td></tr><tr><td>Basavaraj Tonshal</td><td>08/10/2011</td></tr><tr><td>Krishnaswamy Venkatesh Prasad</td><td>08/10/2011</td></tr><tr><td>Paul Aldighieri</td><td>09/06/2011</td></tr></tbody></table> |                                 | Name          | Execution Date                | Yifan Chen          | 08/10/2011                      | Gary Steven Strumolo | 08/10/2011            | Dimitar Petrov Filev | 08/10/2011 | Jeffrey Allen Greenberg | 08/10/2011 | Oleg Yurievitch Gusikhin | 08/10/2011 | Perry Robinson MacNeille | 08/11/2011 | Basavaraj Tonshal | 08/10/2011 | Krishnaswamy Venkatesh Prasad | 08/10/2011 | Paul Aldighieri | 09/06/2011 |
| Name   | Execution Date                  |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Yifan Chen   | 08/10/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Gary Steven Strumolo   | 08/10/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Dimitar Petrov Filev   | 08/10/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Jeffrey Allen Greenberg  | 08/10/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Oleg Yurievitch Gusikhin   | 08/10/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Perry Robinson MacNeille   | 08/11/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Basavaraj Tonshal  | 08/10/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Krishnaswamy Venkatesh Prasad  | 08/10/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Paul Aldighieri  | 09/06/2011                      |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| RECEIVING PARTY DATA   |                                 |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| <table border="1"><tr><td>Name:</td><td>Ford Global Technologies, LLC</td></tr><tr><td>Street Address:</td><td>Fairlane Plaza South, Suite 800</td></tr><tr><td>Internal Address:</td><td>330 Town Center Drive</td></tr><tr><td>City:</td><td>Dearborn</td></tr><tr><td>State/Country:</td><td>MICHIGAN</td></tr><tr><td>Postal Code:</td><td>48126</td></tr></table>   |                                 | 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      |                          |            |                   |            |                               |            |                 |            |
| 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  |                                 |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13229889</td></tr></tbody></table>   |                                 | Property Type | Number                        | Application Number: | 13229889                        |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Property Type  | Number                          |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Application Number:  | 13229889                        |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| CORRESPONDENCE DATA  |                                 |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
| Fax Number: (313)322-7162  |                                 |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |
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| Correspondent Name: BROOKS KUSHMAN P.C./FGTL   |                                 |               |                               |                     |                                 |                      |                       |                      |            |                         |            |                          |            |                          |            |                   |            |                               |            |                 |            |

CH \$40.00 13229889

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PATENT  
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|                         |          |
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| ATTORNEY DOCKET NUMBER: | 83190489 |
|-------------------------|----------|

|                    |               |
|--------------------|---------------|
| NAME OF SUBMITTER: | Jody Richmond |
|--------------------|---------------|

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Please direct all correspondence to: 28395

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED, has/have invented certain new and useful improvements in:  
Attorney Docket No. **83190489** entitled: **METHOD AND APPARATUS FOR VEHICLE  
PROCESS EMULATION AND CONFIGURATION ON A MOBILE PLATFORM**

for which I/we intend to make application for Letters Patent of the United States listing the  
following as inventors: **Yifan Chen, Gary Steven Strumolo, Dimitar Petrov Filev, Jeffrey  
Allen Greenberg, Oleg Yurievitch Gusikhin, Perry Robinson MacNeille, Basavaraj  
Tonshal, Krishnaswamy Venkatesh Prasad, Paul Aldighieri.**

Pursuant to my employment agreement heretofore made or by contractual obligation,  
I do sell, assign and transfer unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor  
Company Limited Liability Company 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, the full and exclusive right for the United States of America and for all foreign  
countries to the said invention, as described in the specification executed by me on the date  
listed below, preparatory to obtaining Letters Patent of the United States therefor (and I hereby  
authorize my attorneys to insert the serial number and filing date herein:

Serial No. 13/229,889, Filing Date September 12, 2011), and I hereby request the  
Commissioner of Patents and Trademarks to issue said Letters Patent to FORD GLOBAL  
TECHNOLOGIES, LLC as the assignee.

Executed by:

SIGNATURE:

Yifan Chen  
4746 Sawgrass Dr W  
Ann Arbor, MI, 48108  
United States of America

Signature:  Date: 8/10/11

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Signature:  Date: 8/10/11

Dimitar Petrov Filev  
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Novi, MI, 48375  
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