## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

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

## **CONVEYING PARTY DATA**

| Name                 | Execution Date |
|----------------------|----------------|
| John Eric Rollinger  | 07/16/2010     |
| Robert Roy Jentz     | 07/27/2010     |
| Robert Sarow Baskins | 07/16/2010     |
| Chris Paul Glugla    | 07/27/2010     |
| Karen Willard        | 07/27/2010     |

#### RECEIVING PARTY DATA

| 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

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 13309409 |

# CORRESPONDENCE DATA

Fax Number: (503)459-4142 Phone: 503-459-4141

Email: komphouvong@ahmrt.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

501741532

Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP

Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205

| ATTORNEY DOCKET NUMBER: | 83211980 |
|-------------------------|----------|
|-------------------------|----------|

**PATENT** 

REEL: 027307 FRAME: 0304

| NAME OF SUBMITTER:                                                                                                                                                                                                                | Odan Komphouvong                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Total Attachments: 5 source=Complete Assignment (from parent) | 83211980#page2.tif<br>83211980#page3.tif<br>83211980#page4.tif |

PATENT REEL: 027307 FRAME: 0305 Please direct all correspondence to: 36865

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

# **ASSIGNMENT**

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. 83156275 entitled:

# METHOD AND SYSTEM FOR PRE-IGNITION CONTROL

for which I/we intend to make application for Letters Patent of the United States listing the following as inventors:

John Eric Rollinger Robert Roy Jentz Robert Sarow Baskins Chris Paul Glugla Karen Willard.

| I do sell, assign a<br>Company Limited L<br>Delaware, having i<br>Michigan, the full<br>countries to the sa<br>listed below, prepa | and transfer unto FORD GLOBA<br>liability Company organized and e<br>ts principal place of business at I<br>and exclusive right for the Unite<br>id invention, as described in the | retofore made or by contractual obligation, L TECHNOLOGIES, LLC, a Ford Motor existing by virtue of the laws of the State of Dearborn, County of Wayne, and State of ed States of America and for all foreign specification executed by me on the date of the United States therefor (and I hereby If filing date herein: |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                    |                                                                                                                                                                                    | ), and I hereby request the                                                                                                                                                                                                                                                                                               |
| Commissioner of I                                                                                                                  | Patents and Trademarks to issue                                                                                                                                                    | said Letters Patent to FORD GLOBAL                                                                                                                                                                                                                                                                                        |
|                                                                                                                                    | LLC as the assignee.                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                           |
| Executed by:                                                                                                                       | SIGNATU                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                           |
| arry, armed, mile.                                                                                                                 | ollinger 2000 2000 2000 2000 2000 2000 2000 20                                                                                                                                     | <u> LeWyse</u> Date: 16 July 2010                                                                                                                                                                                                                                                                                         |
| Name: Robert Roy                                                                                                                   | Jentz                                                                                                                                                                              | Date:                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                    | 32031 Merritt Drive,                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                           |
| City, State, Zip:                                                                                                                  | Westland, MI 48185                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                    | United States of America                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                           |

**☑** 001/004

Please direct all correspondence to: 36865

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## **ASSIGNMENT**

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. 83156275 entitled:

Country: United States of America

## METHOD AND SYSTEM FOR PRE-IGNITION CONTROL

for which I/we intend to make application for Letters Patent of the United States listing the following as inventors:

John Eric Rollinger Robert Roy Jentz Robert Sarow Baskins Chris Paul Glugla Karen Willard.

| do sell, assign<br>Company Limited<br>Delaware, having<br>Michigan, the full<br>countries to the sa | and transfer unto FORD GLOBAL TECH<br>Liability Company organized and existing I<br>its principal place of business at Dearbor<br>and exclusive right for the United State<br>aid invention, as described in the specific | made or by contractual obligation, and an all MoLOGIES, LLC, a Ford Motor of the laws of the State of the laws of the State of the stat |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                     | aratory to obtaining Letters Patent of the U                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| authorize my attori                                                                                 | neys to insert the serial number and filing d                                                                                                                                                                             | ate nerein:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Serial No                                                                                           | , Filing Date<br>Patents and Trademarks to issue said I                                                                                                                                                                   | ), and I nereby request the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Commissioner of                                                                                     | Patents and Trademarks to issue said I                                                                                                                                                                                    | letters Patent to FORD GLOBAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TECHNOLOGIES,                                                                                       | LLC as the assignee.                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Executed by:                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                     | SIGNATURE:                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                     |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Name: John Eric F                                                                                   | Rollinger                                                                                                                                                                                                                 | Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Home Address:                                                                                       | 33150 Twickingham Drive,                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| City, State, Zip:                                                                                   | Sterling Heights, MI 48310                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Country:                                                                                            | United States of America                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| j                                                                                                   | D                                                                                                                                                                                                                         | . / / _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Name: Robert Roy                                                                                    | Jentz Kaball /2 Len                                                                                                                                                                                                       | Date: <u>7/27/2</u> 010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Home Address:                                                                                       | 32031 Merritt Drive,                                                                                                                                                                                                      | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| City State 7in                                                                                      | Westland MI 48185                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**PATENT REEL: 027307 FRAME: 0307** 

| Name: Robert Sa   | arow Baskins /////// S /    | 5.14 Date: 7/16 10 |
|-------------------|-----------------------------|--------------------|
| Home Address:     | 16994 Walker Road,          |                    |
| City, State, Zip: | Grass Lake, MI 49240        |                    |
| Country:          | United States of America    |                    |
| Name: Chris Pau   | ıl Glugla                   | Date:              |
|                   | 48710 Lafayette,            |                    |
| City, State, Zip: | Macomb, MI 48044            |                    |
| Country:          | United States of America    |                    |
| Name: Karen Wi    | lard                        | Date:              |
| Home Address:     | 306 Hillcrest,              |                    |
| City, State, Zip: | Grosse Pointe Farms, MI 483 | 326                |
| Country:          | United States of America    |                    |

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REEL: 027307 FRAME: 0309

| arow Baskins                  | Date:                                                                                                                                                                                    |  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 16994 Walker Road,            |                                                                                                                                                                                          |  |
| Grass Lake, MI 49240          |                                                                                                                                                                                          |  |
| United States of America      |                                                                                                                                                                                          |  |
| l Glugla                      | Date:                                                                                                                                                                                    |  |
| 48710 Lafayette,              | <del></del>                                                                                                                                                                              |  |
| Macomb, MI 48044              |                                                                                                                                                                                          |  |
| United States of America ,    |                                                                                                                                                                                          |  |
| U/ and II                     | 7 - 7 - 6                                                                                                                                                                                |  |
| lard Kaun a Willard           | Date: <u>7-27-70</u>                                                                                                                                                                     |  |
| 306 Hillcrest,                |                                                                                                                                                                                          |  |
| Grosse Pointe Farms, MI 48326 |                                                                                                                                                                                          |  |
| United States of America      |                                                                                                                                                                                          |  |
|                               | 16994 Walker Road, Grass Lake, MI 49240 United States of America  I Glugla 48710 Lafayette, Macomb, MI 48044 United States of America  lard 306 Hillcrest, Grosse Pointe Farms, MI 48326 |  |

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