| <u></u>  |  | PATENT ASSIGNMEN   | <u></u>   |   |  |
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| lectronic Version v1.1<br>tylesheet Version v1.1   |  | 09/10/2010<br>501287208                                      | 09/10/2010<br>501287208   |   |  |
| SUBMISSION TYPE:   |  | CORRECTIVE ASSIGNMENT  |   |   |  |
| NATURE OF CONVEYANCE:  |  | Greiner and Wayne Frank Bue<br>0746. Assignor(s) hereby conf | Corrective Assignment to correct the inventors names to Christopher Mark<br>Greiner and Wayne Frank Buescher previously recorded on Reel 023342 Frame<br>0746. Assignor(s) hereby confirms the names recorded were Christopher M.<br>Greiner and Wayne F. Buescher. |   |  |
| CONVEYING PARTY  | DATA   |  |   |   |  |
| ·····  |  | Name   | Execution Date  |   |  |
| <u> </u>   |  | · · · · · · · · · · · · · · · · · · ·                        | 09/18/2009  |   |  |
| Gerhard A. Dage  |  |  | 09/22/2009  |   |  |
| Halim Wijaya   |  |  | 09/21/2009  |   |  |
| Christopher Mark Gro   |  |  | 10/01/2009  |   |  |
| Wayne Frank Buesci   | ner  |  |   |   |  |
| Name:<br>Street Address:<br>Internal Address:<br>City:   | Ford Global Technologies, LLC         Fairlane Plaza South, Suite 800         330 Town Center Drive         Dearborn         Nicure AN |  |   |   |  |
| State/Country:   | MICHIGAN   |  |   |   |  |
| Postal Code:   | 48126  |  |   |   |  |
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| CORRESPONDENC  |  |  |   |   |  |
| Fax Number:  | (313)32<br># he cent via //S   | ç-r 102.<br>Meil when the fax stiempt is unsucci             | ssful.  |   |  |
| Correspondence will be sent via US Mail when the fax attempt is unsuccessful.<br>Phone: 248-358-4400 |  |  |   |   |  |
| Email:   |  |  |   |   |  |
| Correspondent Nam  | ne: Brooks   | Kushman P.C.   |   |   |  |
| Address Line 1: 1000 Town Center   |  |  |   |   |  |
| Address Line 2: 22nd Floor   |  |  |   |   |  |
| Address Line 4:  | Southfi  | eid, MICHIGAN 48075  |   |   |  |
| ATTORNEY DOCKET NUMBER:  |  | 81156700 (FMC 2254)  |   |   |  |

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| dbleke(  | <u> B</u> brook  | skushman.com                             |   |  |
| Correspondent Name: Brooks Kushman P.C./FGTL                             |  |  |   |  |
| Address Line 1: 1000 Town Center   |  |  |   |  |
| Address Line 2: 22nd Floor<br>Address Line 4: Southfield, MICHiGAN 48075 |  |  |   |  |
|  |  |  |   |  |
|  | ATA<br>(313)32<br>sent via US<br>248-36<br>dblake(<br>Brooks<br>1000 To<br>22nd Fi | TA N N N N N N N N N N N N N N N N N N N | ACE: ASSIGNMENT<br>TA<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Name<br>Na | ICE: ASSIGNMENT TA TA Name Execution Date O9/18/2009 O9/22/2009 O/20/2009 O/20/200 O/2009 O/20/200 O/200 O |

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|   | COMPANY: 1000 TOWN CENTER |                 |
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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### ASSIGNMENT

WHEREAS, THE UNDERSIGNED, has/have invented certain new and useful improvements in:

## Attorney Docket No. 81156700 entitled: CLIMATE CONTROL SYSTEM AND METHOD FOR OPTIMIZING ENERGY CONSUMPTION OF A VEHICLE

for which I/we intend to make application for Letters Patent of the United States listing the following as inventors: Gerhard A. Dage, Halim Wijaya, Christopher Mark Greiner, Wayne Frank Buescher.

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. <u>12/575219</u>, Filing Date <u>10/7/09</u>), and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD GLOBAL TECHNOLOGIES, LLC as the assignee.

Ω

Executed by:

SIGNATURE:

| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Gerhard A. Dage<br>31230 Old Trail,<br>Franklin MI 48025,<br>United States of America               | rhand a Degr | Date: <u>9/18/09</u> |
|---|---|--------------|----------------------|
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Hallm Wijaya<br>558 Highlands Drive,<br>Canton, MI 48188<br>United States of America                |              | _ Date:              |
|   | Christopher Mark Greiner<br>2075 West Lincoln,<br>Birmingham, MI 48009,<br>United States of America | <u> </u>     | Datə:                |
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Wayne Frank Buescher _<br>6782 Kings Mill,<br>Canton, MI. 48187,<br>United States of America        |              | Date:                |

David Kelley

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Serial No. 12/575219, Filing Date 10/7/09), 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:

| Name:<br>Home Address:<br>City, State, Zip:<br>Country: |   |             | Date:                |
|---|---|-------------|----------------------|
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Halim Wijaya<br>558 Highlands Drive,<br>Canton, MI 48188<br>United States of America                  | De ny       | Date: <u>9/22/09</u> |
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Christopher Mark Greiner _<br>2075 West Lincoln,<br>Birmingham, MI 48009,<br>United States of America |             | Date:                |
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Wayne Frank Buescher<br>6782 Kings Mill,<br>Canton, Ml. 48187,<br>United States of America            | <del></del> | Date:                |

David Kolloy

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Serial No. <u>12/575, 219</u>, Filing Date <u>10/7/09</u>), 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:

| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Gerhard A. Dage<br>31230 Old Trail,<br>Franklin MI 48025,<br>United States of America               | Date:                                 |
|---|---|---------------------------------------|
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Hallm Wijaya<br>558 Highlands Drive,<br>Canton, Ml 48188<br>United States of America                |                                       |
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Christopher Mark Greiner<br>2075 West Lincoln,<br>Birmingham, MI 48009,<br>United States of America | <u> 19/21/09</u> Date: <u>9/21/09</u> |
| Name:<br>Home Address:<br>City, State, Zip:<br>Country: | Wayne Frank Buescher<br>6782 Kings Mill,<br>Canton, Ml. 48187,<br>United States of America          | Date:                                 |

David Kolloy

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SIGNATURE: " Executed by: Gerhard A. Dage \_\_\_\_\_ Date: \_\_\_\_\_ Name: Home Address: 31230 Old Trail. City, State, Zip: Franklin MI 48025, United States of America Country: \_\_\_\_\_ Date: \_\_\_\_\_ Halim Wijaya Name: Home Address: 558 Highlands Drive, City, State, Zip: Canton, MI 48188 United States of America Country: Christopher Mark Greiner \_\_\_\_\_ Date: \_\_\_\_\_ Name: Christopher Mark G Home Address: 2075 West Lincoln, City, State, Zip: Birmingham, MI 48009, Wayne Frank Buescher Janue Tonescher Date: 10/1/2009 United States of America Country: Name: Home Address: 6782 Kings Mill, City, State, Zip: Canton, MI. 48187, United States of America Country:

David Kelley

PATENT REEL: 025042 FRAME: 0890.10

**RECORDED: 09/10/2010**