| 03-25- | 2004 | |
|---|--|--|
| Form PTO-1595 | U.S. DEPARTMENT OF COMMERCE | |
| (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) | U.S. Patent and Trademark Office | |
| Tab settings ⇔ ⇒ ▼ 102703 | | |
| To the Honorable Commissioner of Patents and Trademan | 7 তপ্ত ks: Please record use attached original documents or copy thereof. | |
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies) | |
| John W. Hoard | Name: Ford Motor Company | |
| Gopichandra Surmilla | ⊃ 4 | |
| • | Internal Address: | |
| Additional name(s) of conveying party(ies) attached? 📮 Yes 😭 No | 7510 | |
| 3. Nature of conveyance: | 7 | |
| Assignment | The American Pond | |
| Security Agreement | Street Address: The American Road | |
| Other | | |
| Docket ID: 81098602 | City: Dearborn State: MI Zip: 48126 | |
| Execution Date: March 5 and March 16, 2004 | | |
| Execution Date | Additional name(s) & address(es) attached? 🖳 Yes 🚨 No | |
| 4. Application number(s) or patent number(s): | 3/5/04 and 3/16/04 | |
| If this document is being filed together with a new ap | plication, the execution date of the application is: $\frac{3/16/04}{100}$ | |
| A. Patent Application No.(s) | B. Patent No.(s) | |
| | | |
| Additional numbers | attached? 📮 Yes 🍒 No | |
| | 6. Total number of applications and patents involved: | |
| Name: Ford Global Technologies, LLC | 7. Total fee (37 CFR 3.41)\$ 40.00 | |
| Internal Address: Suite 600 East | ☐ Enclosed | |
| Parklane Towers | Authorized to be charged to deposit account | |
| | 8. Deposit account number: | |
| Street Address: One Parklane Blvd | G. Soposii Cososii in Maria | |
| Street Address. | 06-1510 | |
| City: Dearborn State: MI Zip: 48126 | (Attach duplicate copy of this page if paying by deposit account) | |
| DO NOT US | | |
| | E THIS SPACE | |
| 9. Statement and signature. | SE THIS SPACE | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing | information is true and correct and any attached copy | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. | information is true and correct and any attached copy | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. Maria Leos | information is true and correct and any attached copy March 19, 2004 | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. Maria Leos Name of Person Signing | information is true and correct and any attached copy | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<u>ASSIGNMENT</u>

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

United States of America

Attomey Docket No. 81098602 entitled: METHOD FOR OPERATING A LEAN BURN ENGINE WITH AN AFTERTREATMENT SYSTEM INCLUDING NONTHERMAL PLASMA DISCHARGE DEVICE

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

John Hoard Gopichandra Sumilla; and

WHEREAS, FORD MOTOR COMPANY, a corporation 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, is desirous of acquiring an interest therein;

| | | ly employment agreement neretorore made | |
|-------------------|-------------------------------|---|---------------|
| | | ation, I do sell, assign and transfer unto FC | |
| | | nited States of America and for all foreign co | |
| | | executed by me on the date listed below, p | |
| | | erefor (and I hereby authorize my attorneys | to insert the |
| | I filing date herein: | | |
| Serial No | , Filing Date |), and I hereb | y request the |
| Commissioner of | Patents and Trademarks to iss |), and I hereb sue said Letters Patent to FORD MOTOR C | OMPANY as |
| the assignee. Ex | ecuted by: | | |
| _ | SIC | GNATURE: | |
| | _ | | |
| Name: | John W. Hoard | Som WA | Date: |
| | • | | 1000 16 2535F |
| Home Address: | 15118 Cayour | - 0. | 142.6,229 |
| | | | |
| | Livonia, MI, 48154, | | |
| Country: | United States of America | | |
| | | | |
| Name: | Gopichandra Surnilla | | Date: |
| | • | | |
| Home Address: | 5358 Midchester Court | | |
| | West Bloomfield, MI 48324 | | |
| City, State, Alp. | VVBSt DIOURINGIO, IVII 40324 | | |

Diana Brehob

Country:

PATENT REEL: 015121 FRAME: 0079

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

United States of America

RECORDED: 03/19/2004

Attorney Docket No. 81098602 entitled: METHOD FOR OPERATING A LEAN BURN ENGINE WITH AN AFTERTREATMENT SYSTEM INCLUDING NONTHERMAL PLASMA DISCHARGE DEVICE

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

John Hoard Gopichandra Surnilla; and

WHEREAS, FORD MOTOR COMPANY, a corporation 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, is desirous of acquiring an interest therein;

NOW, THEREFORE, pursuant to my employment agreement heretofore made with FORD MOTOR

| full and exclusive described in the sp | my contractual obligation, I do sel right for the United States of Am- pecification executed by me on the es therefor (and I hereby authorize | erica and for all foreign count e date listed below, preparato | ries to the said invention, as ry to obtaining Letters Patent | | |
|--|--|---|--|--|--|
| | , Filing Date |) and I hereby | request the Commissioner of | | |
| Patents and Trad | emarks to issue said Letters F | atent to FORD MOTOR C | OMPANY as the assignee. | | |
| Executed by: | | | 3 | | |
| SIGNATURE: | | | | | |
| Name: | John W. Hoard | | Date: | | |
| Home Address: | 15116 Cavour | | | | |
| City, State, Zip: | Livonia, MI, 48154, | | | | |
| Country: | United States of America | | | | |
| | Gopichandra Surnilla | micha- | Date: $\frac{3/\sqrt{5/04}}{}$ | | |
| City, State, Zip: | West Bloomfield, MI 48324 | | | | |

Diana Brehob

Country:

PATENT REEL: 015121 FRAME: 0080