

PATENT ASSIGNMENT

Electronic Version v07
 Stylesheet Version v02

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mathew Boesch</td> <td>2003-12-17</td> </tr> <tr> <td>Vijay Garg</td> <td>2003-12-17</td> </tr> <tr> <td>Abbas Raftari</td> <td>2003-12-17</td> </tr> </tbody> </table>		Name	Execution Date	Mathew Boesch	2003-12-17	Vijay Garg	2003-12-17	Abbas Raftari	2003-12-17				
Name	Execution Date												
Mathew Boesch	2003-12-17												
Vijay Garg	2003-12-17												
Abbas Raftari	2003-12-17												
RECEIVING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">Name</th> <th style="width:20%;">Street Address</th> <th style="width:20%;">Internal Address</th> <th style="width:15%;">City</th> <th style="width:15%;">State/Country</th> <th style="width:10%;">Postal Code</th> </tr> </thead> <tbody> <tr> <td>Ford Motor Company</td> <td>The American Road</td> <td></td> <td>Dearborn</td> <td>MICHIGAN</td> <td>48121</td> </tr> </tbody> </table>		Name	Street Address	Internal Address	City	State/Country	Postal Code	Ford Motor Company	The American Road		Dearborn	MICHIGAN	48121
Name	Street Address	Internal Address	City	State/Country	Postal Code								
Ford Motor Company	The American Road		Dearborn	MICHIGAN	48121								
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number</td> <td>10745276</td> </tr> </tbody> </table>		Property Type	Number	Application Number	10745276								
Property Type	Number												
Application Number	10745276												
CORRESPONDENCE DATA													
<p>FAX NUMBER: 313-322-7162 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.</p> <p>CUSTOMER NUMBER: 028395</p>													
NAME OF PERSON SIGNING:	Frank A. Angileri												
DATE SIGNED:	2004-02-12												
<p>Total Attachments: 4 source=inventorassignment1.tif source=inventorassignment2.tif source=inventorassignment3.tif source=consentletter.tif</p>													

CH \$40.00 061510 10745276

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. **81093612** entitled: **DIAGNOSTIC SYSTEM AND METHOD FOR AN ELECTRIC MOTOR USING TORQUE ESTIMATES**

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

inventors:

Mathew Boesch

Vijay Garg

Abbas Raftari;

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 COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR COMPANY 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. 10/745,276, Filing Date December 23, 2003, and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee. Executed by:

SIGNATURE:

Name: Mathew Boesch Mathew A. Boesch Date: 17-Dec-2003
Home Address: 11446 Morgan St.,
City, State, Zip: Plymouth, MI 48170,
Country: United States of America

Name: Vijay Garg _____ Date: _____
Home Address: 2664 Hunters Court, Canton
City, State, Zip: Canton, MI 48188,
Country: United States of America

Name: Abbas Raftari _____ Date: _____
Home Address: 19851 Maxwell Rd.,
City, State, Zip: Northville, MI 48167,
Country: United States of America

Carlos Hanze

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. **81093612** entitled: DIAGNOSTIC SYSTEM AND METHOD FOR AN ELECTRIC MOTOR USING TORQUE ESTIMATES

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

Mathew Boesch
Vijay Garg
Abbas Raftari;
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 COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR COMPANY 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. 10/745,276, Filing Date December 23, 2003, and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee. Executed by:

SIGNATURE:

Name: Mathew Boesch _____ Date: _____
Home Address: 11446 Morgan St.,
City, State, Zip: Plymouth, MI 48170,
Country: United States of America

Name: Vijay Garg _____ Date: 12/17/03
Home Address: 2664 Hunters Court, Canton
City, State, Zip: Canton, MI 48188,
Country: United States of America

Name: Abbas Raftari _____ Date: _____
Home Address: 19851 Maxwell Rd.,
City, State, Zip: Northville, MI 48167,
Country: United States of America

Carlos Hanze

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. **81093612** entitled: **DIAGNOSTIC SYSTEM AND METHOD FOR AN ELECTRIC MOTOR USING TORQUE ESTIMATES**

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

Mathew Boesch
Vijay Garg
Abbas Raftari;
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;

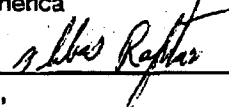
NOW, THEREFORE, pursuant to my employment agreement heretofore made with FORD MOTOR COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR COMPANY the full and exclusive right for the United States of America and for all foreign countries to the said invention, as described 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. 10/745,276, Filing Date December 23, 2003, and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee. Executed by:

SIGNATURE:

Name: Mathew Boesch _____ Date: _____
Home Address: 11446 Morgan St.,
City, State, Zip: Plymouth, MI 48170,
Country: United States of America

Name: Vijay Garg _____ Date: _____
Home Address: 2664 Hunters Court, Canton
City, State, Zip: Canton, MI 48188,
Country: United States of America

Name: Abbas Raftari  _____ Date: 12/17/03
Home Address: 19851 Maxwell Rd.,
City, State, Zip: Northville, MI 48167,
Country: United States of America

Carlos Hanze

PATENT