# 05-18-1998

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FORM PTO-1565 1-31-92		ET U.S. DEPARTMENT OF COMMERCE	
1-31-92	1848   184   1861   1864   1866   1866   1866   1866   1866   1866   1866   1866   1866   1866   1866   1866	Patent and Trademark Office	
To the Honorable Assistant Commissioner	100713470	attached original documents or copy thereof.	
Name of conveying party(ies):	2.	Name and address of receiving party(ies):	
Larry Brandenburg			
John Miller		Name: Ford Motor Company In II	
L.	24-98	Annual Add (1970)	
1	29-78	Internal Address: APR 2 4 1998	
		DECEINED	
3. Nature of conveyance:			
☐ Assignment ☐ Merg	er	Street Address: The American Road	
☐ Security Agreement ☐ Chan	ge of Name		
	ge of runne		
Other		City: <u>Dearborn</u> State: <u>MI</u> ZIP: <u>48121</u>	
F			
Execution Date: March 25, 1998	Ad	dditional name(s) & address(es) attached?	
4. Application number(s) or patent number(s		admonal name(s) & address(es) attached: 1 es 2 No	
Tapparation number (a) or parent number (a)	<i>,.</i>		
If this document is being filed together with	th a new application, the e	execution date of the application is:	
A December 19 of No.	م ا	D. A. A. C.	
A. Patent Application No.(s)	В.	Patent No.(s)	
09/048,171			
	,		
Additional numbers attached: Yes No			
		, <u>, , , , , , , , , , , , , , , , , , </u>	
5. Name and address of party to whom corres	spondence 6.	Total number of applications and patents involved:	
concerning document should be mailed:			
Name: Donald A. Wilkinson		1	
	7.	Total Fee (37 CFR 3.41)	
Internal Address: Ford Global Technological	ogies, Inc.	_	
		☐ Enclosed	
7/13/1998 ISMMRQ77 00000066 061500 09048171			
ie kefs 00000066 BAB: 061500 09048171		Authorized to be charged to deposit decount	
rcias in the contract of the c	8.	Deposit account number:	
Street Address: One Parklane Blvd.			
011 D. 11 Tr	3 /A	Ford Motor Company No. 06-1500	
911 Parklane Towers F	iast (A)	ttach duplicate copy of this page if paying by deposit account)	
City: Dearborn State: MI	ZIP: 48126		
	DO NOT USE TH	IS SPACE	
9. Statement and signature.			
, ,	ne foregoing information is	is true and correct and any attached copy is a true copy of the	
original document.			
Stephanie J. Jones Name of Person Signing  Stephanie J. Jones Signature  April 21, 1998 Date			
Name of Person Signing Signature Date			
Total number of pages comprising cover sheet and attached documents: 3			
CMP No. 0651 0011 ( 4/04)			
CMB No. 0651-0011 (exp.4/94)			

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### **ASSIGNMENT**

WHEREAS, I,

Larry Raymond Brandenburg 45310 Woodleigh Way Plymouth, MI 48170 U.S.A

have invented certain new and useful improvements in:

# Method of Sensing Crankshaft Position in a Hybrid Electric Vehicle

for which I am about to make application for Letters Patent of the United States listing the following as inventors: Larry Brandenburg

John Miller; 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, 1998, 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. 09/048,171 , Filing Date 3/25/98 ), and I hereby request the
Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY
as the assignee.
Executed the 75 th day of March , 1998.

Jany Symond Brandenburg

Larry Raymond Brandenburg

Wilkinson

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### ASSIGNMENT

WHEREAS, I,

John Michael Miller 7792 Fosdick Road

Saline, Michigan 48176

U.S.A

have invented certain new and useful improvements in:

### Method of Sensing Crankshaft Position in a Hybrid Electric Vehicle

for which I am about to make application for Letters Patent of the United States listing the following as inventors: Larry Brandenburg

John Miller; 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  25th day of March, 19 98, 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. $\frac{09/048.171}{0.00000000000000000000000000000000000$
Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY
as the assignee.
Executed the 25 day of March, 1998.
John Miller

John Michael Miller

Wilkinson

RECORDED: 04/24/1998