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FORM PTO- Expires 06/30/99 OMB 0651-0027	1619A MYD .00			U.S. Department of Commerce Patent and Trademark Office PATENT	
Docket No.		101277	125 ု		
1	PECOPO	ATION FORM CO	VER SHEET		
		PATENTS ON	LY		
	nissioner of Patents and Trademar	ks: Please record the	attached original docum	nent(s) or copy(les).	
Submission New	туре	Conveyance Ty X Assignment	Security Agree	ment La Z	
	ssion (Non-Recordation)			S 88	
Documen		License	Change of Name	400	
Correction Reel #	n of PTO Error	Merger	Other	00	
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Reel #	Frame #	D.	partmental File	Secret File	
Conveying F	Party(ies)	Mark if additions	I names of conveying parties	attached Execution Date North Day Year	
Name (line 1)	Ford Motor Company			1/82000	
Name (line 2)	A Delaware Corporation			Execution Date	
Second Party Name (line 1)				Afforth Day Year	
Name (line 2)				-19148X 93	
Receiving Pa	arty	.	tark if additional names of re	ceiving parties attached	
	Ford Global Technologies, Inc.				
Name (line 1)	Ford Global Technologies	, Inc.		is an assignment and the	
Name (line 1)	Ford Global Technologies A Michigan Corporation	i, Inc.			
	A Michigan Corporation			is an assignment and the receiving party is not dereided in the United Status, an appointment of a domestic representative is attached	
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the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (965-0027), Washington, D.C. (9665. See OMB cition Budget Package 9861-0027, Patent and Trademark Assignment Proofice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

REEL: 010565 FRAME: 0432

FORM PTO-1619B Expres 08/30/99 OMB 0851-0027		Page 2	U.S. Department of Commerce Patent and Tradement Office PATENT			
Correspondent Name and Address Area Code and Telephone Number 313-594-1145						
Name Allan J. L.	ippa - 32,258					
Address (line 1) Ford Gl	obal Technologie	es, Inc.				
Address (ine 2) Suite 6	00 - Parklane To	wers Bast				
Address (time 3) One Par	klane Boulevard					
Address (time 4) Dearborn	n, MI 48126					
Pages Enter the total number of pages of the attached conveyance document including any attachments.						
Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).						
Patent Applica		p	atent Number(s)			
If this document is being filed together with a <u>new Patent Application</u> , enter the date the patent application was signed by the first named executing inventor. North Day Year 1 14 2000						
Patent Cooperation To	reaty (PCT)	PCT PCT	PCT			
	oplication Number	PCT PCT	PCT			
has not been assigned. Number of Properties						
Enter the total number of properties involved. #						
Fee Amount	Fee Amount fo	r Properties Listed (37 CFR 3.4	1): \$ 40.00			
Method of Payment Deposit Account	: Enclos	ed Deposit Account X	<u>}</u>			
		onal fees can be charged to the account.) posit Account Number:	# 06-1510			
		Ithorization to charge additional fee:	s: Yes X No			
Statement and Signature						
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.						
Maria J. Leos	F	Maria Liss	January 18, 2000			
Name of Person	Signing	Signature	Date			

PATENT REEL: 010565 FRAME: 0433

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, Ford Motor Company (Ford), a corporation organized and existing by virtue of the laws of the State of Delaware and having a principal place of business at Dearborn, County of Wayne, and State of Michigan, is the owner of the invention claimed in the patent application first signed January 14, 2000, Attorney Docket No: 199-1788, titled: DIAGNOSTIC SYSTEM FOR DETECTING CATALYST FAILURE USING SWITCH RATIO which is filed concurrently herewith in the United States Patent and Trademark Office (USPTO).

WHEREAS, Ford Global Technologies, Inc., a corporation organized and existing by virtue of the laws of the State of Michigan and having a principal place of business at Dearborn, County of Wayne, and State of Michigan, is desirous of acquiring an interest therein;

NOW, THEREFORE, Ford by these presents does assign and transfer unto Ford Global Technologies, Inc. the full and exclusive right for the United States of America and for all foreign countries to said invention, together with all patent applications, divisionals, continuations-in-part, continuations, renewals, or secondary filings thereof.

Ford Motor Company

By:

Thomas J. DeZure

Title: Assistant Secretary

Date: __January 18, 2000

(To be completed after recordation by the USPTO)

USPTO Filing Date: _____

USPTO Application No: _____

RECORDED: 01/20/2000

Lippa

Attorney Docket No: 199-1788 Please call 313-322-7762 if this paper becomes separated from the file.

PATENT REEL: 010565 FRAME: 0434