FORM PTO- Expires 08/30/39 OMB 0851-0027		U.S. Department of Commerce Patent and Trademerk Office PATENT		
Docket No.	101300423			
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Submission	3. 1.00 In			
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Reel #	Frame # Departmental File	Secret File		
Conveying F	Party(ies) Mark if additional names of conveying parties	attached Execution Date Month Day Year		
Name (line 1)	Ford Motor Company	2.21.2000		
Name (time z)	A Delaware Corporation			
Second Party		Execution Date Stonth Day Year		
Marne (line 1)				
Name (line 2)				
Receiving P	Burty Mark if additional names of re	ceiving parties attached		
Name (line 1) Ford Global Technologies, Inc.				
Marne (line 2)	A Michigan Corporation	receiving party is not domiciled in the United States, an appointment		
Address (line 1)		of a dominatic representative is estached.		
Address (see i)	Suite 600 - Parklane Towers East	(Designation must be a superité document from		
Address pine 2)	One Parklane Bouleward	Assignment.)		
Address (line 3)	Dearborn, MI - USA 48126			
Domestic Representative Name and Address Enter for the first Receiving Party only.				
Name		<del></del>		
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PATENT

FORM PTO-1619B Express 08:20199 OMB 0881-0027	Page 2	U.S. Department of Commerce Patent and Tradement Office PATENT
Correspondent Name and Address	Area Code and Telephone Num	ber 313-323-1904
Name Jerome R. Drouillard - 28,		
Address (ine 1) Ford Global Technolog	ies, Inc.	
Address sme 2 Suite 600 - Parklane	Towers East	
Address (ine 3) One Parklane Boulevan	đ	
Address (time 4) Dearbox, MI 481	26	
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Application Number(s) or Patent Num		ark If additional numbers attached
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If this document is being filed together with a <u>new</u> . Pate signed by the first named executing inventor.	nt Application, enter the date the patent app	Month Day Year  1 25 2000
Patent Cooperation Treaty (PCT)		
Enter PCT application number	PCT PCT	PCT
only if a U.S. Application Number has not been assigned.	PCT PCT	PCT
Number of Properties	tal number of properties involved.	#
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(Enter for payment by deposit account or if addi		
D	oposit Account Number:	# 06-1510
	authorization to charge additional fees:	Yes X No
Statement and Signature		
To the best of my knowledge and be attached copy is a true copy of the or indicated herein.	riginal document. Charges to depo	ue and correct and any osit account are authorized, as
Maria J. Leos	Maria J. Leas	February 21, 2000
Name of Person Signing	Signature	Date

PATENT REEL: 010781 FRAME: 0382

FORM PTO-16 Expres 06/30/99 OMB 0861-0027	·			U.S. Department of Commerce Patient and Trademark Office PATENT
Docket No.	199-0289			
MW	2.33.W	ATION FORM CO	LY	or or
TO: The Commis	Sioner of Patents and Trademark	s: Please record the Conveyance Ty		nt(s) or copy(les).
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Name (line 1) A	damisin, David Wayne			1 25 2000
Name (line 2)				7
Second Party				Execution Date Month Day Year
	emitroff, Danrich Henry			1 25 2000
Name (fine 2)				](9/5//80,
Receiving Par	ty	M	lark if additional names of rec	eiving parties attached
Name (line 1)	Ford Motor Company			If document to be record is an assignment and
Name (line 2)	A Delaware Corporation			receiving party is not domiciled in the United States, an appointment
Address (line 1)	The American Deci			of a domestic representative is attack
	The American Road			(Designation must be a separate document fro
Address (line 2)				Assignment.)
Address (line 3)	Dearborn	MI - USA	48121 Zip Code	
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Name				
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PATENT

FORM PTO-1619B Express 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Correspondent Name and Address	Area Code and Telephone Number	313-323-1904	
Name Jerome R. Drouillard - 28,	008		
Address (ine 1) Ford Global Technolog	ies, Inc.		
Address (me 2) Suite 600 - Parklane	Towers East		
Address (line 3) One Parklane Boulevan	á		
Address (line 4) Dearboxn, MI 481	26		
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Application Number(s) or Patent Num		idditional numbers attached	
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If this document is being filed together with a <u>new</u> . Pate signed by the first named executing inventor.	nt Application, enter the date the patent application	on was Month Day Year  1 25 2000	
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has not been assigned.  Number of Properties	PCI		
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Fee Amount Fee Amount (	for Properties Listed (37 CFR 3.41): \$	40.00	
Method of Payment: Enclo Deposit Account	osed Deposit Account X		
(Enter for payment by deposit account or if addi	itional fees can be charged to the account.) Reposit Account Number: #	06-1510	
	Authorization to charge additional fees:	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			
<i>indicated herein.</i> Maria J. Leos	Maria & Leas	February 21, 2000	
Name of Person Signing	Signature	Date	
<b>~3</b>	<b>-</b>		

**PATENT** 

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# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademerk Office PATENT

Conveying F	Party(ies)	Mark if additional names of conveys	ng parties attached	
	Conveying Parties	Main ii mudianian iiminis oi oontojii	Execution Date Month Day Year	
Name (line 1)	Bivins, James Roy		2 21 2000	
Name (line 2)				
			Execution Date Month Day Year	
Name (line t)	Lee, John Clarence		1 26 2000	
Name (line 2)			Execution Date	
Name (line 1)	Managa Mighael Dayne		1 25 2000	
	Magnan, Michael Bruno		1 25 2000	
Name sine 2)				
Receiving P	arty(ies)	Mark if additional nam	es of receiving parties attached	
Enter additiona	Receiving Party(ies)			
Name (fine )			If document to be recorded is an assignment and the	
Name (line 2			receiving party is not domiciled in the United	
1001110 (4002			States, an appointment of a domestic representative	
Address (line 1	)		is attached, (Designation must be a separate	
Address (line 2	n		document from Assignment.)	
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Address (line :	n City	State/Country	Zip Code	
Name (line	)		If document to be recorded is an assignment and the	
Name (line :	)		receiving party is not domiciled in the United	
Address			States, an appointment of a domestic representative is	
Address (line	)	_	attached. (Designation must be a separate document from	
Address (line 2			Assignment.)	
Address (line 3				
	City	State/Country	Zip Code	
Application Number(s) or Patent Number(s) Mark if additional numbers attached  Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).				
	<b>Patent Application Number</b> (		Patent Number(s)	
	The Application Number	"		
L				
	7			
<u> </u>	J			

**PATENT** 

## **ASSIGNMENT**

WHEREAS, THE UNDERSIGNED.

has/have invented certain new and useful improvements in:

State of Michigan, is desirous of acquiring an interest therein;

Attorney Docket No. 199-0289 entitled: AIR/FUEL INDUCTION SYSTEM FOR DEVELOPING SWIRL MOTION OF AN AIR/FUEL MIXTURE

WHEREAS, FORD MOTOR COMPANY, a corporation organized and existing by virtue of the

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

laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and

MOTOR COMPANY, or by my contractual obligation, I do sell, assign and transfer unto FORD MOTOR

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

Michael Magnan
John Lee
James Bivins
Danrich Demitroff
David Adamisin; and

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, Filing Date				
of Patents and Trademarks to issue said Le Executed by:	etters Patent to FORD MOTOR COM	иРАNY as the assignee.		
NAME	SIGNATURE	DATE		
David Wayne Adamisin 16760 Dundalk Ct. Northville, Michigan 48167	De Mi	1/25/2000		
Danrich Henry Demitroff 3055 Meridian Road Okemos, Mi 48846-4100 US		_		
James Roy Bivins 23501 Radclift Oak Park, MI 48237 US				
John Clarence Lee 2717 Dunleavy Court Highland, MI 48356 US				
Michael Bruno Magnan 23255 Columbia Dearborn, MI 48124 US	Milae Magnan	1/25/00		

Attorney Docket No: 199-0289

Please call 313-322-7762 if this paper becomes separated from the file.

PATENT REEL: 010781 FRAME: 0386

Drouillard

10. MARIA COM

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## **ASSIGNMENT**

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. 199-0289 entitled: AIR/FUEL INDUCTION SYSTEM FOR DEVELOPING SWIRL MOTION OF AN AIR/FUEL MIXTURE

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

Michael Magnan
John Lee
James Bivins
Danrich Demitroff
David Adamisin; and

WHEREAS, FORD MOTOR COMPANY, a corporation organized and existing by virtue of the laws of the State of Delaware, having its paneignal place of business at Delaware. County of Characland 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:

NAME :	SIGNATURE	DATE
David Wayne Adamisin 16760 Dundalk Ct. Northville, Michigan 48167		
Danrich Henry Demitroff 3055 Meridian Road Okernos. MI 48846-4100 US	Daniel Wenter	1/25/0
James Roy Bivins 23501 Radclift Oak Park, MI 48237 US		
John Clarence Lee 2717 Dunleavy Court Highland, MI 48356 US		
Michael Bruno Magnan 23255 Columbia Dearbom, MI 48124 US		

Attorney Docket Not 199-0289 Please call 313-322-7762 if this paper becomes separated from the file.

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#### ASSIGNMENT

WHEREAS, THE UNDERSIGNED.

has/have invented certain new and useful improvements in:

Attorney Docket No. 199-0289 entitled: AIR/FUEL INDUCTION SYSTEM FOR DEVELOPING SWIRL MOTION OF AN AIR/FUEL MIXTURE

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

Michael Magnan
John Lee
James Bivins
Danrich Demitroff
David Adamisin; 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. \_\_\_\_\_\_\_, Filing Date \_\_\_\_\_\_\_\_), and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee. Executed by:

NAME	SIGNATURE	DATE
David Wayne Adamisin		
16760 Dundalk Ct.		
Northville, Michigan 48167		_
Danrich Henry Demitroff		
3055 Meridian Road		
Okemos, MI 48846-4100 US		-
James Roy Bivins		
23501 Raddift	(I AP-	
Oak Park, MI 48237 US	Chores A. Bines	= 2/14/50
John Clarence Lee		
2717 Dunleavy Court		
Highland, MI 48356 US	-	
Michael Bruno Magnan		
23255 Columbia		
Dearborn, MI 48124 US		

Attorney Docket No: 199-0289

Please call 313-322-7762 if this paper becomes separated from the file.

313 322 9265 PAGE.002

## **ASSIGNMENT**

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. 199-0289 entitled: AIR/FUEL INDUCTION SYSTEM FOR DEVELOPING SWIRL MOTION OF AN AIR/FUEL MIXTURE

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

Michael Magnan
John Lee
James Bivins
Danrich Demitroff
David Adamisin: 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;

NAME	SIGNATURE	DATE
David Wayne Adamisin		
16760 Dundalk Ct.		
Northville, Michigan 48167		
Danrich Henry Demitroff		
3055 Meridian Road		i
Okemos, M! 48846-4100 US		
James Roy Bivins		
23501 Radclift		
Oak Park, MI 48237 US		
John Clarence Lee		
2717 Dunleavy Court	$\mathbf{N} \cap \mathbf{M}  \mathbf{V} = \mathbf{M} \cdot $	1
Highland, MI 48356 US	The large	1-26-00
Michael Bruno Magnan	)	
23255 Columbia		
Dearborn, MI 48124 US		
1		

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PATENT REEL: 010781 FRAME: 0389

## **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 <u>January 25, 2000</u>, Attorney Docket No: 199-0289, titled: AIR/FUEL INDUCTION SYSTEM FOR DEVELOPING SWIRL MOTION OF AN AIR/FUEL MIXTURE 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

Thomas J. BeZure

Title: Assistant Secretary

Date: **FEB** 2 1 2000

(To be completed after recordation by the USPTO)

USPTO Filing Date: \_\_\_\_\_

USPTO Application No: \_\_\_\_\_

**RECORDED: 02/23/2000** 

Drouillard

Attorney Docket No: 199-0289 Please call 313-322-7762 if this paper becomes separated from the file.

PATENT REEL: 010781 FRAME: 0390