FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

USSN 09/086,265

Docket No.

U.S. Department of Commerce Patent and Trademark Office **PATENT**

01-28-1999

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Name (line 1) Hamburg	Douglas Ray				5 27 1998
Name (line 2)					Execution Date
Second Party					Month Day Year
Name (line 1) Meyer,	Daniel Lawrence				5 27 1998
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Name (line 1) FORD GLO	BAL TECHNOLOGIES	INC.			If document to be recorded is an assignment and the receiving party is not
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Address (line 3) Dearborn	City	MI - U.S. State/C		48126 Zip Code	
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U.S. Department of Commerce Patent and Trademark Office PATENT

Name Donald A. Wilkinson, Reg. No. 35,410 Address (ine 1) Pord Global Technologies, Inc. Address (ine 2) Pord Global Technologies, Inc. Address (ine 2) Suite 911 - Parklane Towers East Address (ine 2) One Parklane Boulevard Address (ine 2) Dearkorn, MI 48126 Pages Enter the total number of pages of the attached conveyance document #	Correspondent Name and	Address Area Code and Telephone N	Number 313/323-6733
Address (line 2) Address (line 3) One Parklane Boulevard Address (line 3) One Parklane Boulevard Address (line 3) Deartorn, 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 Application Number(s) Patent Application Number(s) Patent Number(s) Patent Number(s) Patent Number(s) Patent Number of Poperties Enter PCT application number only if a U.S. Application Number PCT PCT PCT PCT PCT PCT PCT PCT	Name Donald A. W	ilkinson, Reg. No. 35,410	
Address (ine 3)	Address (line 1) Ford Globa	l Technologies, Inc.	
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Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Application Number(s) Patent Number of patent application was Month Day fear signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number PCT PCT PCT PCT PCT Inas not been assigned. Number of Properties Enter the total number of properties involved. # Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 Method of Payment: Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 06-1510 Authorization to charge additional fees: Yes XX 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 Leos January 15, 1999	_		ce document #
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	Name of Person Signir	g Signature	Date

PATENT

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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 patent application Serial No. 09/086265 which was filed in the United States Patent and Trademark Office (USPTO) on 5/28/98.

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

Title: Assistant Secretary

Date:

JUL 9 1998

Wilkinson

assign#2.doc Rev. 3/10/98

IN THE UN. ED STATES PATENT AND TRAD. IARK OFFICE

ASSIGNMENT

Douglas Ray Hamburg
6899 Sandalwood Drive
Bloomfield Hills, Michigan 48301

WHEREAS, I,

U.S.A

have invented certain new and useful improvements in:

Catalyst Deterioration Monitoring

for which I am about to make application for Letters Patent of the United States listing the following as inventors: **Douglas Hamburg**

Daniel Meyer Dennis Reed; 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
day of May, 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. 09,086,265, Filing Date May 28, 1998, and I hereby request the
Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee.
Executed the $\frac{27}{}$ day of $\frac{May}{}$, $19\frac{98}{}$.

Douglas Ray Hamburg

Douglas Ray Hamburg

Wilkinson

IN THE UNI'. D STATES PATENT AND TRADI ARK OFFICE

ASSIGNMENT

Daniel Lawrence Meyer	
714 Highview	

WHEREAS, I,

Dearborn, Michigan 48128

U.S.A

have invented certain new and useful improvements in:

Catalyst Deterioration Monitoring

for which I am about to make application for Letters Patent of the United States listing the following as inventors: **Douglas Hamburg**

Daniel Meyer Dennis Reed; 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, THERE	ււ Օռբ, թւ	arsuant to	my empioy	ment agree	ment nereto	iore made witi	1 FOKD
MOTOR	COMPANY, or	r by my	contractua	al obligation	, I do sell,	assign and	transfer unto	FORD
MOTOR	COMPANY the	full and	exclusive	right for the	e United Sta	ates of Amer	rica and for all	foreign
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as the as	signee.							
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				^		,		

Daniel Lawrence Meyer

Daniel Lawrence Meyer

Wilkinson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, I,
Dennis Craig Reed
41795 Elk
Plymouth, Mi 48170
U.S.A
have invented certain new and useful improvements in:
Catalyst Deterioration Monitoring
for which I am about to make application for Letters Patent of the United States listing the following as inventors: Douglas Hamburg Daniel Meyer Dennis Reed; 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 27th day of May, 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 No09/086, 265, Filing DateMay _28, _1998), and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD MOTOR COMPANY as the assignee.
Executed the

Wilkinson

RECORDED: 01/25/1999

WHEREAS I