

MRD 10/18/99

FORM PTO-1619A

Expires 06/30/99  
OMB 0651-0027

10-28-1999

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

Docket No. 199-1228

101182435

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- ☒ New
- ☐ Resubmission (Non-Recordation)  
Document ID#
- ☐ Correction of PTO Error  
Reel #  Frame #
- ☐ Corrective Document  
Reel #  Frame #

**Conveyance Type**

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**  
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

**Conveying Party(ies)**☐ Mark if additional names of conveying parties attached

Name (line 1) Grizzle, Jessie W.

Execution Date  
Month Day Year  
10 6 1999Name (line 2) **Second Party**

Name (line 1) Sun, Jing

Execution Date  
Month Day Year  
9 20 1999Name (line 2) 

09/4/9754

**Receiving Party**☐ Mark if additional names of receiving parties attached

Name (line 1) Ford Motor Company

☐ If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment.)

Name (line 2) A Delaware Corporation

Address (line 1) The American Road

Address (line 2) 

Address (line 3) Dearborn

MI - USA

48121

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) 

10/25/1999 SCAMICH 00000060 061510 09419754

FOR OFFICE USE ONLY

03 FC:581

40.00 CH

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. 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

**PATENT**  
REEL: 010331 FRAME: 0210

**Correspondent Name and Address**

Area Code and Telephone Number

313-594-1145

Name Allan J. Lipka - 32,258

Address (line 1) Ford Global Technologies, Inc.

Address (line 2) Suite 600 - Parklane Towers East

Address (line 3) One Parklane Boulevard

Address (line 4) Dearborn, MI 48126

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 2

**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).

Patent Application Number(s)

Patent Number(s)



If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
10 6 1999

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT  
PCT PCT PCT

**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

Enclosed ☐ 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 ☒ 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

Name of Person Signing

*Maria J. Leos*  
Signature

October 11, 1999  
Date



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

**ASSIGNMENT**

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. **199-1228** entitled: **DIRECT INJECTION ENGINE SYSTEM AND METHOD**

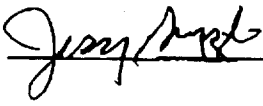
for which I/we intend to make application for Letters Patent of the United States listing the following as inventors:

**Jing Sun**  
**Jessy Grizzle;** 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
Jessy W. Grizzle 2424 Londonderry Ann Arbor, Michigan 48104 US		10-6-1999
Jing Sun 1729 Golf Ridge Drive South Bloomfield, MI 48302 US	_____	_____

Russell

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. **199-1228** entitled: **DIRECT INJECTION ENGINE SYSTEM AND METHOD**

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

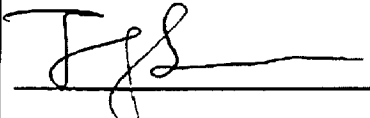
**Jing Sun**

**Jessy Grizzle;** 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
Jessy W. Grizzle 2424 Londonderry Ann Arbor, Michigan 48104 US	_____	_____
Jing Sun 1729 Golf Ridge Drive South Bloomfield, MI 48302 US		9/20/99

Russell

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 September 20, 1999, Attorney Docket No: 199-1228, titled: DIRECT INJECTION ENGINE SYSTEM AND METHOD 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: Oct 05 1999

---

(To be completed after recordation by the USPTO)

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

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

*Russell*