

06-20-2002

GP-300988, Page 1



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Box Assignments
Commissioner for Patents
Washington, D.C. 20231

General Motors Corporation
Legal Staff - Mail Code 482-C23-B21
P.O. Box 300 - Detroit, MI 48265-3000

June 6, 2002

6-14-02

Enclosed for recording is Assignment documentation for the following patent application:

Attorney Docket No.

GP-300988

(1) Assignor/Inventors:

ANDREAS M. LIPPERT
ALEXANDROS C. ALKIDAS
KO-JEN WU
WILLIAM ROBERT MATTHES
JENNIFER L. LIEDTKE
DAVID L. REUSS
ALAN WILLIAM HAYMAN
GERALD J. SCHIMELFENING
GERALD A. SILVAS

(2) Assignee:

GENERAL MOTORS CORPORATION
DETROIT, MICHIGAN

(3) Assignment of patent application

(4) Application number:

10/132,390 filed April 25, 2002

If blank, this documentation is filed together with the patent application.

(5) Address correspondence to :

JEFFREY A. SEDLAR
General Motors Corporation
Legal Staff
Mail Code 482-C23-B21
P.O. Box 300
Detroit, MI 48265-3000

(6) Number of applications:

1

Total Fee:

40.00

(7) Date documentation executed:

March 15, March 21 and April 17, 2002

(8) Not applicable

(9) To the best of my knowledge and belief, the information contained on this cover sheet is true and correct and any copy submitted is a true copy of the original document.

Title:

COMBUSTION CHAMBER FOR SWIRL FLOW TWO VALVE
SPARK IGNITION DIRECT INJECTION ENGINE

Please charge the \$40.00 assignment recording fee to GENERAL MOTORS CORPORATION Deposit Account
No. 07-0960.

06/21/2002 TDIAZ1 00000020 070960 10132390

01 FC:581 40.00 CH

JEFFREY A. SEDLAR
313/665-4706

Total number of pages including cover sheet, attachments and document: 11

Enclosures

FINANCE SECTION

2002 JUN 14 11 7:07

RECORDED


PATENT
REEL: 012995 FRAME: 0383


ASSIGNMENT

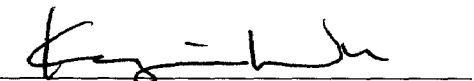
Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS CORPORATION, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application GP-300988 entitled

COMBUSTION CHAMBER FOR SWIRL FLOW TWO VALVE SPARK IGNITION DIRECT INJECTION ENGINE

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney JEFFREY A. SEDLAR to insert the application number and filing date of said application here in parentheses (10/132390 filed 04/25/2002) when known.

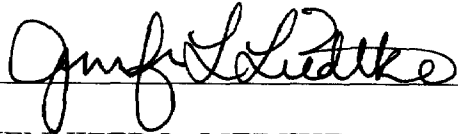
Inventor's signature  Date 3/15/02
Full name: ANDREAS M. LIPPERT Declaration dated :
Residence: ROCHESTER HILLS, MI 3/15/02

Inventor's signature  Date March 15, 2002
Full name: ALEXANDROS C. ALKIDAS Declaration dated :
Residence: TROY, MI March 15, 2002

Inventor's signature  Date 3/21/02
Full name: KO-JEN WU Declaration dated :
Residence: TROY, MI 3/21/02

Inventor's signature _____ Date _____
Full name: WILLIAM ROBERT MATTHES Declaration dated :
Residence: TROY, MI _____

Inventor's signature

Date 3/21/02

Full name:

JENNIFER L. LIEDTKE

Declaration dated :

Residence:

ROCHESTER, MI

03/21/02

Inventor's signature

Date 15 March 2002

Full name:

DAVID L. REUSS

Declaration dated :

Residence:

HUNTINGTON WOODS, MI

15 March 2002

Inventor's signature

Date 21 MAR 02

Full name:

ALAN WILLIAM HAYMAN

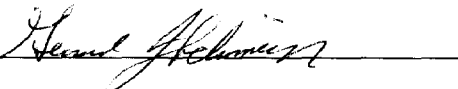
Declaration dated :

Residence:

ROMEO, MI

21 MAR 02

Inventor's signature

Date 3-15-02

Full name:

GERALD J. SCHIMELFENING

Declaration dated :

Residence:

STERLING HEIGHTS, MI

3-15-02

Inventor's signature

Date 3-15-02

Full name:

GERALD A. SILVAS

Declaration dated :

Residence:

MARYSVILLE, MI

3-15-02

On this 15 day of March, 2002, before me personally appeared
ANDREAS M. LIPPERT, known to me to be the person who executed the foregoing instrument,
and acknowledged that he/she executed the same.

(SEAL)

Carol E. Siino
Notary Public
My commission expires:
County of Authorization:

CAROL E. SIINO
Notary Public - Michigan
Macomb County
My Commission Expires Jun 25, 2002

On this 15 day of March, 2002, before me personally appeared
ALEXANDROS C. ALKIDAS, known to me to be the person who executed the foregoing
instrument, and acknowledged that he/she executed the same.

(SEAL)

Carol E. Siino
Notary Public
My commission expires:
County of Authorization:

CAROL E. SIINO
Notary Public - Michigan
Macomb County
My Commission Expires Jun 25, 2002

On this 21st day of MARCH, 2002, before me personally appeared
KO-JEN WU, known to be to be the person who executed the foregoing instrument, and
acknowledged that he/she executed the same.

(SEAL)

Stephen R. Kornblum
Notary Public
My commission expires:
County of Authorization:

STEPHEN R. KORNBLUM
Notary Public, Oakland County, MI
My Commission Expires Apr. 4, 2003

On this _____ day of _____, _____, before me personally appeared
WILLIAM ROBERT MATTHES, known to me to be the person who executed the foregoing
instrument, and acknowledged that he/she executed the same.

(SEAL)

Notary Public
My commission expires:
County of Authorization:

On this 21st day of MARCH, 2002, before me personally appeared
JENNIFER L. LIEDTKE, known to me to be the person who executed the foregoing instrument,
and acknowledged that he/she executed the same.

(SEAL)

Stephen R. Kornblum

Notary Public
My commission expires:
County of Authorization:

STEPHEN R. KORNBLUM
Notary Public, Oakland County, MI
My Commission Expires Apr. 4, 2003

On this 15 day of March, 2002, before me personally appeared
DAVID L. REUSS, known to me to be the person who executed the foregoing instrument, and
acknowledged that he/she executed the same.

(SEAL)

Carol E. Siino

Notary Public
My commission expires:
County of Authorization:

CAROL E. SIINO
Notary Public - Michigan
Macomb County
My Commission Expires Jun 25, 2002

On this 21st day of MARCH, 2002, before me personally appeared
ALAN WILLIAM HAYMAN, known to me to be the person who executed the foregoing
instrument, and acknowledged that he/she executed the same.

Stephen R. Kornblum

Notary Public

My commission expires:

County of Authorization:

STEPHEN R. KORNBLUM
Notary Public, Oakland County, MI
My Commission Expires Apr. 4, 2003

(SEAL)

On this 15 day of March, 2002, before me personally appeared
GERALD J. SCHIMELFENING, known to me to be the person who executed the foregoing
instrument, and acknowledged that he/she executed the same.

Carol E. Siino

Notary Public

My commission expires:

County of Authorization:

CAROL E. SIINO
Notary Public - Michigan
Macomb County
My Commission Expires Jun 25, 2002

(SEAL)

On this 15 day of March, 2002, before me personally appeared
GERALD A. SILVAS, known to me to be the person who executed the foregoing instrument,
and acknowledged that he/she executed the same.

Carol E. Siino

Notary Public

My commission expires:

County of Authorization:

CAROL E. SIINO
Notary Public - Michigan
Macomb County
My Commission Expires Jun 25, 2002

(SEAL)

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS CORPORATION, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application GP-300988 entitled

**COMBUSTION CHAMBER FOR SWIRL FLOW TWO VALVE
SPARK IGNITION DIRECT INJECTION ENGINE**

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney JEFFREY A. SEDLAR to insert the application number and filing date of said application here in parentheses (10/132390 filed 04/25/2002) when known.

Inventor's signature _____ Date _____

Full name: ANDREAS M. LIPPERT Declaration dated : _____

Residence: ROCHESTER HILLS, MI _____

Inventor's signature _____ Date _____

Full name: ALEXANDROS C. ALKIDAS Declaration dated : _____

Residence: TROY, MI _____

Inventor's signature _____ Date _____

Full name: KO-JEN WU Declaration dated : _____

Residence: TROY, MI _____

Inventor's signature William Robert Matthes Date 4/17/02

Full name: WILLIAM ROBERT MATTHES Declaration dated : _____

Residence: PORT CHARLOTTE, FL 4/17/02

Inventor's signature _____

Date _____

Full name: JENNIFER L. LIEDTKE

Declaration dated : _____

Residence: ROCHESTER, MI

Inventor's signature _____

Date _____

Full name: DAVID L. REUSS

Declaration dated : _____

Residence: HUNTINGTON WOODS, MI

Inventor's signature _____

Date _____

Full name: ALAN WILLIAM HAYMAN

Declaration dated : _____

Residence: ROMEO, MI

Inventor's signature _____

Date _____

Full name: GERALD J. SCHIMELFENING

Declaration dated : _____

Residence: STERLING HEIGHTS, MI

Inventor's signature _____

Date _____

Full name: GERALD A. SILVAS

Declaration dated : _____

Residence: MARYSVILLE, MI

On this _____ day of _____, _____, before me personally appeared ANDREAS M. LIPPERT, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

(SEAL)

Notary Public
My commission expires:
County of Authorization:

On this _____ day of _____, _____, before me personally appeared ALEXANDROS C. ALKIDAS, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

(SEAL)

Notary Public
My commission expires:
County of Authorization:

On this _____ day of _____, _____, before me personally appeared KO-JEN WU, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

(SEAL)

Notary Public
My commission expires:
County of Authorization:

On this 17th day of April, 2002 before me personally appeared
 WILLIAM ROBERT MATTHES, known to me to be the person who executed the foregoing
 instrument, and acknowledged that he/she executed the same.

(SEAL)



Kelli Worobel

Notary Public

My commission expires:

County of Authorization:

On this _____ day of _____, _____, before me personally appeared
 JENNIFER L. LIEDTKE, known to me to be the person who executed the foregoing instrument,
 and acknowledged that he/she executed the same.

(SEAL)

 Notary Public

My commission expires:

County of Authorization:

On this _____ day of _____, _____, before me personally appeared
 DAVID L. REUSS, known to me to be the person who executed the foregoing instrument, and
 acknowledged that he/she executed the same.

(SEAL)

 Notary Public

My commission expires:

County of Authorization:

On this _____ day of _____, _____, before me personally appeared ALAN WILLIAM HAYMAN, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

(SEAL)

Notary Public

My commission expires:

County of Authorization:

On this _____ day of _____, _____, before me personally appeared GERALD J. SCHIMELFENING, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

(SEAL)

Notary Public

My commission expires:

County of Authorization:

On this _____ day of _____, _____, before me personally appeared GERALD A. SILVAS, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

(SEAL)

Notary Public

My commission expires:

County of Authorization: