

05-31-2005



Docket No. 16604US01

SLGK

103011861

To the Director of the U.S. Patents and Trademark Office, please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

(a) Philip G. Hill, (b) Dehong Zhang  
(c) Guowei Li, (d) Alan B. Welch and  
(e) Mark E. Dunn

Execution Date(s) (a) 10/27/03, (b)-(e) 10/24/03

Additional name of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Westport Research Inc.

Internal Address: \_\_\_\_\_

Street Address: 1700 West 75<sup>th</sup> Avenue

City: Vancouver

State: British Columbia

Country: Canada Zip: V6P 6G2

Additional Name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)  
11/098,198

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Robert W. Fieseler, 31,826

Internal Address: McAndrews, Held & Malloy, Ltd.

34<sup>th</sup> Floor

Street Address: 500 W. Madison

City: Chicago

State: IL Zip: 60661

Phone Number: 312-775-8000

Fax Number: 312-775-8100

Email Address: rfieseler@mhmlaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 13-0017

Authorized User Name McAndrews Held & Malloy, Ltd.

9. Signature:

May 24, 2005

Robert W. Fieseler, 31,826

Signature

Date  
Total number of pages including cover sheet, attachments, and documents 5

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

05/27/2005 EDCOPER 00000010 130017 11098198  
01 FC:8021 (40.00 DA)

PATENT  
REEL: 016618 FRAME: 0044

**ASSIGNMENT**

**Filing Date:** 2 October 2003

Application Serial No: PCT/CA 2003/001437

WHEREAS WE, **Philip G. Hill** of 2037 Allison Road, Vancouver BC V6T 1T2, **Dehong Zhang** of 703-2121 West 44<sup>th</sup> Ave., Vancouver, BC V6M2G5, **Guowei Li** of 206-1251 West 71<sup>st</sup> Ave. Vancouver, BC V6P3A9, **Alan B. Welch** of 2828 West 34<sup>th</sup> Ave., Vancouver, BC V6N2J6 and **Mark E. Dunn** of 2263 Redbud Lane, Vancouver BC V6K 4V7 (hereinafter collectively called the "Assignors"), have invented certain new and useful improvements described and claimed in an application for Patent Cooperation Treaty (PCT), filed in the Canadian Intellectual Property Office which acts as the Receiving Office for PCT applications filed by Canadians on the above-identified date.

Said PCT Patent Application entitled:

**Glow Ring Ignition Assist For Internal Combustion Engine**

AND WHEREAS, **Westport Research Inc.**, (hereinafter called the "Assignee") whose full post office address is 1700 West 75<sup>th</sup> Avenue, Vancouver, British Columbia, Canada V6P 6G2, is desirous of acquiring the entire right, title and interest in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

NOW THEREFORE, in consideration of the sum of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, the Assignors, do hereby, both jointly and severally, sell, assign, transfer and set over to the Assignee the entire right, title and interest in and to the said inventions or improvements and said application, and any and all continuations, divisions, renewals of or substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and WE assign to and authorize the Assignee to file in our names applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, re-issued or extended, as fully and entirely as the same would have been held and enjoyed by us, had this assignment, sale and transfer not been made;

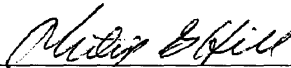
AND, WE hereby covenant that WE have the full right to convey the entire interest herein assigned, and that WE have not executed and will not execute any agreement in conflict herewith, and WE further covenant and agree that WE will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in

**PATENT**  
**REEL: 016618 FRAME: 0045**

the Assignee, its successors, assigns, nominees or legal representatives, and WE agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, re-issue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

AND WE hereby authorize and request any official of any country into which the subject PCT patent application will be entered nationally, whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

SIGNED at Vancouver, Province of British Columbia, Canada this 27<sup>th</sup> day of October, 2003  
2003.



Philip G. Hill

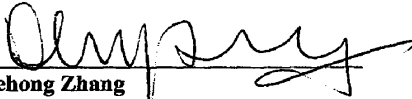
I hereby certify that on the day and year aforesaid, before me personally appeared Philip G. Hill to me known and known to me to be the individual described in the foregoing instrument, and in my presence executed this instrument and acknowledged to me that same was executed of his own free will and for the purpose therein set forth.



Notary Public

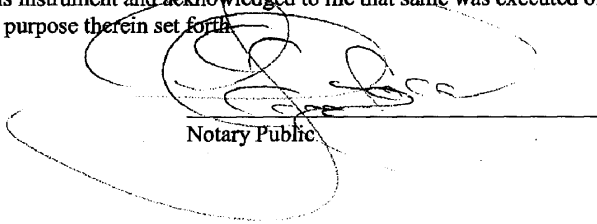
SEAL:

SIGNED at Vancouver, Province of British Columbia, Canada this 24<sup>th</sup> day of October 2003.

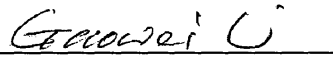
  
Dehong Zhang

I hereby certify that on the day and year aforesaid, before me personally appeared **Dehong Zhang** to me known and known to me to be the individual described in the foregoing instrument, and in my presence executed this instrument and acknowledged to me that same was executed of his own free will and for the purpose therein set forth.

SEAL:

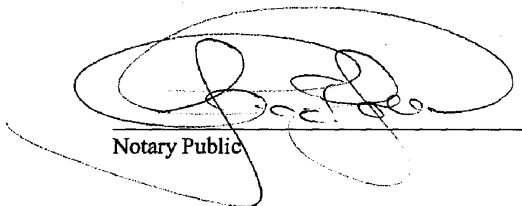
  
Notary Public

SIGNED at Vancouver, Province of British Columbia, Canada this 24<sup>th</sup> day of October 2003.


  
Guowei Li

I hereby certify that on the day and year aforesaid, before me personally appeared **Guowei Li** to me known and known to me to be the individual described in the foregoing instrument, and in my presence executed this instrument and acknowledged to me that same was executed of his own free will and for the purpose therein set forth.

SEAL:

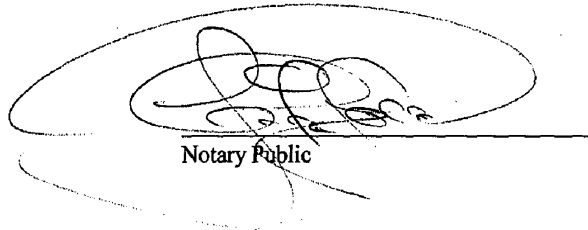
  
Notary Public

**SIGNED** at Vancouver, Province of British Columbia, Canada this 24<sup>th</sup> day of October 2003.


  
Alan B. Welch

I hereby certify that on the day and year aforesaid, before me personally appeared **Alan B. Welch** to me known and known to me to be the individual described in the foregoing instrument, and in my presence executed this instrument and acknowledged to me that same was executed of his own free will and for the purpose therein set forth.

SEAL:

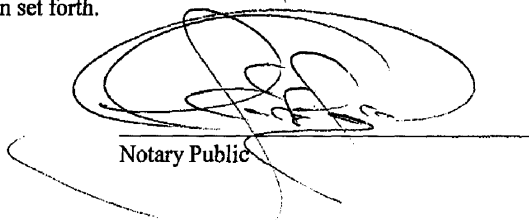
  
Notary Public

**SIGNED** at Vancouver, Province of British Columbia, Canada this 24<sup>th</sup> day of October 2003.

  
Mark E. Dunn

I hereby certify that on the day and year aforesaid, before me personally appeared **Mark E. Dunn** to me known and known to me to be the individual described in the foregoing instrument, and in my presence executed this instrument and acknowledged to me that same was executed of his own free will and for the purpose therein set forth.

SEAL:

  
Notary Public