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Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027



102062452

Patent Docket No. DKT 00053A (BWI-00054)

COVER SHEET

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Lyle Ward
Kevin Beach
Mike Ruthenberg
Michael Jones

4-4-02

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

2. Name and address of receiving party(ies)

Name: BorgWarner Inc.

Internal Address: _____

Street Address: 3001 West Big Beaver RoadSuite 200City: Troy State: MI Zip: 48084Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date(s): January 18, 2002 & February 1, 2002

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/950,221 - Filed September 7, 2001

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: Greg Dziegielewski, Esq.Internal Address: BorgWarner Inc.Street Address: 3001 West Big Beaver Road - Suite 200P.O. Box 5060City: Troy State: MI Zip: 48007-50606. Total number of applications and/or patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00☐ Enclosed☒ Authorized to be charged to Deposit Account No. 023182 (BorgWarner Inc.)

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 023182 (BorgWarner Inc.). A duplicate copy of this sheet is enclosed.

04/18/2002 TDI A21 00000126 023182 09950221

01 FD:581 40.00 CH

DO NOT USE THIS SPACE

9. 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.

Philip R. Warn
Name of Person Signing

[Signature]
Signature

March 25, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 1

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 012798 FRAME: 0485

ASSIGNMENT BY JOINT INVENTORS

WHEREAS, the undersigned, hereinafter referred to as Assignors, have invented certain new and useful improvements in

INTAKE MANIFOLD FOR AN ENGINE

for which Assignors have made United States application for patent, under Serial No. 09/950,221, filed September 7, 2001, and

WHEREAS, BorgWarner Inc., a Delaware corporation, having a place of business at 3001 West Big Beaver Road - Suite 200, Troy, Michigan 48084, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

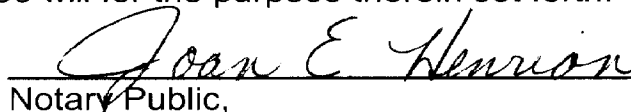
NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, Assignors by these presents do sell, assign and transfer unto Assignee, its successors in interest, the full and exclusive right in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States and the Paris Convention, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefore to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof, as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made; and Assignors hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of applications for patent in the United States and in all foreign countries, for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor for the benefit of Assignee without further or other compensation than that above set forth; and Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to Assignee.



Name: Lyle Ward
(First Joint Inventor)

State of Michigan)
County of Macomb) ss.

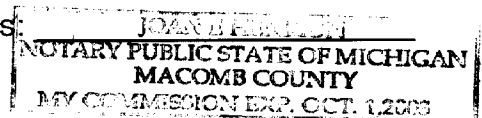
On this 18th day of JANUARY, 2002, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.



Notary Public,

(seal) Macomb County, State of Michigan

My Commission Expires:



ASSIGNMENT BY JOINT INVENTORS

Kevin J. Beach
Name: Kevin Beach
(Second Joint Inventor)

State of Michigan)
County of Macomb) ss.

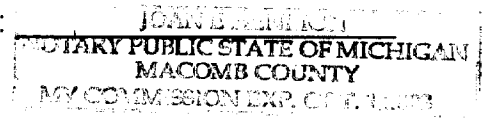
On this 1 day of Feb, 2002, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)

Joan E. Hannon
Notary Public,

Macomb County, State of Michigan

My Commission Expires:



Mike Ruthenberg
Name: Mike Ruthenberg
(Third Joint Inventor)

State of Michigan)
County of Macomb) ss.

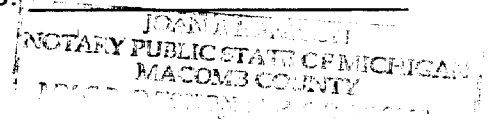
On this 18th day of JANUARY, 2002, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)

Joan E. Hannon
Notary Public,

Macomb County, State of Michigan

My Commission Expires:



ASSIGNMENT BY JOINT INVENTORS

Michael Jones
Name: Michael Jones
(Fourth Joint Inventor)

State of Michigan)
County of Macomb) ss.

On this 18th day of JANUARY, 2002, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)
Joan E. Henrion
Notary Public,
Macomb County, State of Michigan

My Commission Expires:

