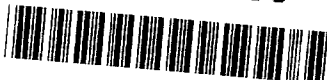


05-11-2005

Docket No. DKT 03080

FORM PTO-1595  
OMB No. 0651-0027

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U.S. DEPARTMENT OF COMMERCE  
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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Dietmar METZ, Hans-Peter SCHMALZL, and  
Ralf BOENINGAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: March 3, 2004

## 2. Name and address of receiving party(ies):

Name: BorgWarner Inc.

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

Street Address: 3850 Hamlin RoadCity: Auburn HillsState: MICountry: USAZip: 48326-2872Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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).  
10/998,516

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Greg DziegielewskiRegistration No. 28,073BorgWarner, Inc.Address: 3850 Hamlin RoadCity: Auburn Hills State: MI Zip: 48326-2872

## 6. Total number of applications and patents involved: \_\_\_\_\_

7. Total fee (37 CFR 3.41): \$ 40.00  
☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account.  
☒ Authorized to be charged to deposit account 16-0877

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true and correct copy of the original document.

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May 5, 2005  
 Date
Total number of pages including cover sheet, attachments, and document: 7

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PATENT  
 REEL: 016532 FRAME: 0418

## ***Assignment***

In consideration of the payment by ASSIGNEE to ASSIGNORS of valuable consideration, receipt whereof is hereby acknowledged, and for other good and valuable consideration,

### **ASSIGNORS**

Dietmar METZ  
Hof in den Herrgottsaeckern  
D-67149 Meckhenheim  
GERMANY

Hans-Peter SCHMALZL  
Reichelsheimerweg 31  
D-64335 Reichelsheim  
GERMANY

Ralf BOENING  
Glastalstr. 33  
D-67829 Reifelbach  
GERMANY

hereby sell, assign and transfer to

### **ASSIGNEE**

BorgWarner Inc.  
Powertrain Technical Center  
3800 Automation Avenue, Suite 100  
Auburn Hills, MI 48326-1782  
U.S.A.

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and countries foreign thereto, in and to any and all improvements which are disclosed in the invention entitled "FLUID FLOW ENGINE AND SUPPORT RING FOR IT", and which is found in U.S. Patent Application Serial Number 10/998,516 filed 11/29/04, (We hereby authorize and request our attorneys Pendorf & Cutliff

of 5111 Memorial Highway, Tampa, Florida 33634-7356, to insert the application number and filing date of said application when known) or any continuation, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the ASSIGNEE, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the ASSIGNEE in connection with the United States application when called upon to do so by the Assignee;

**ASSIGNORS** hereby covenant that no assignment, sale, agreement or encumbrance has been made or will be made or entered into which would conflict with this Assignment;

**ASSIGNORS** further covenant that **ASSIGNEE** will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to **ASSIGNORS** and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to **ASSIGNEE** or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and


U.S. Application No. 10/998,516  
Assignment


Attorney Docket: DKT03080

said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

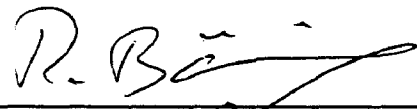
Date: 23.8.04

Date: 23 8.04

  
Dietmar METZ

  
Hans-Peter SCHMALZL

Date: 23.08.04

  
Ralf BOENING

(Legalization not required for recording but is *prima facie* evidence of execution under 35 U.S.C. §261.)