

Attorney Docket No. DKT 00147C
(BWI-00071-CPA)

Form PTO-1595
(Rev. 10/02)

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OMB No. 0651-0027 (exp. 6/30/2005)

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

1. Name of conveying party(ies):

Douglas G. Hunter
Thomas Haase

2. Name and address of receiving party(ies)

Name: BorgWarner Inc.

Internal Address: _____

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

3. Nature of conveyance:

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

Street Address: 3800 Automation Avenue
Suite 100

City: Auburn Hills State: MI Zip: 48326

Execution Date: January 14, 2005 and February 10, 2005

Additional 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) _____
10/959,803

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Patent Docket Administrator - BorgWarner Inc.

Internal Address: _____

Street Address: Powertrain Technical Center
3800 Automation Avenue - Suite 100

City: Auburn Hills State: MI Zip: 48326

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

501612

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9. Signature.

Philip R. Warn

Name of Person Signing


Signature

February 22, 2005

Date

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

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

CH \$40.00 601612 10969803

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ASSIGNMENT BY JOINT INVENTORS

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


VARIABLE DISPLACEMENT VANE PUMP WITH VARIABLE TARGET REGULATOR

for which Assignors have made United States application for patent, under Serial No. 10/959,803, filed October 6, 2004, and

WHEREAS, BorgWarner Inc., a Michigan corporation, having a place of business at 3800 Automation Avenue, Suite 100, Auburn Hills, MI 48326, 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, their 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.

Dated: 14 Jan 2005 DGH


Name: Douglas G. Hunter
(First Joint Inventor)

Dated: 10 Feb 2005


Name: Thomas Haase
(Second Joint Inventor)