

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Franklin R. Smith | 03/13/2013 |
| RECEIVING PARTY DATA | |
| Name: | BorgWarner Inc. |
| Street Address: | 3850 Hamlin Road |
| City: | Auburn Hills |
| State/Country: | MICHIGAN |
| Postal Code: | 48326 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13799731 |
| CORRESPONDENCE DATA | |
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| Correspondent Name: | BorgWarner Inc. |
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| Address Line 4: | Ithaca, NEW YORK 14850 |
| ATTORNEY DOCKET NUMBER: | BW-DKT13035 |
| NAME OF SUBMITTER: | Lynda Wood |
| Total Attachments: 1 source=00424898#page1.tif | |

OP \$40.00 13799731

ASSIGNMENT AND AGREEMENT

For value received, I, Franklin R. Smith of Cortland in the State of New York, hereby sell, assign and transfer to BorgWarner Inc., having an office at 3850 Hamlin Road, Auburn Hills, MI 48326,, USA, and its successors, assigns and legal representatives (hereinafter referred to as the "Assignee"), the entire right, title and interest, for the United States of America, in and to certain inventions related to the "CAM TORQUE ACTUATED VARIABLE CAMSHAFT TIMING DEVICE WITH A BI-DIRECTIONAL OIL PRESSURE BIAS CIRCUIT" described in an application for Letters Patent of the United States, executed by me of even date here with, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Assignee the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

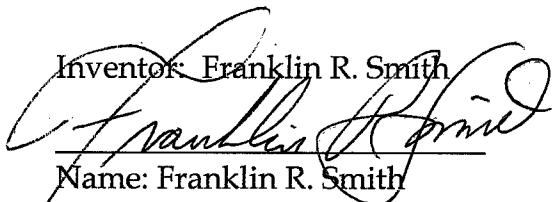
I authorize Assignee to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Assignee in the United States and in all countries foreign to the United States, or to such nominees as Assignee may designate.

I agree that, when requested, I shall, without charge to Assignee, but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Inventor: Franklin R. Smith



Name: Franklin R. Smith

Residence: Cortland, New York

Address: 3736 Hedgemoor Drive, Cortland, NY 13045

13 MARCH 2013
Date: