

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MIKE AUSBROOKS | 10/17/2016 |
| 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: | 15309481 |
| CORRESPONDENCE DATA | |
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| Address Line 1: | 48685 HAYES |
| Address Line 4: | SHELBY TOWNSHIP, MICHIGAN 48315 |
| ATTORNEY DOCKET NUMBER: | DKT14144A (0309.4284.902) |
| NAME OF SUBMITTER: | CARY W. BROOKS |
| SIGNATURE: | /Cary W. Brooks/ |
| DATE SIGNED: | 11/14/2016 |
| Total Attachments: 2 | |
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| source=DKT14144A Assignment#page2.tif | |

ASSIGNMENT

WHEREAS, I, MIKE AUSBROOKS, have invented certain new and useful improvements in

DUAL VOLUTE TURBOCHARGER TO OPTIMIZE PULSE ENERGY SEPARATION FOR FUEL ECONOMY AND EGR UTILIZATION VIA ASYMMETRIC DUAL VOLUTES

set forth in BorgWarner Docket No. DKT14144A, and as set forth in Provisional Application Serial No. 62/000,315 filed May 19, 2014, PCT Application Serial No. PCT/US2015/31558 filed May 19, 2015 and if a U.S. patent application has been filed, I authorize any practitioner associated with Customer Number 67424 to insert the application number(s) and filing date(s) of said application(s) here in parentheses (15/309,481 filed Nov. 8, 2016).

WHEREAS, **BORGWARNER INC.**, a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, and having a place of business at 3850 Hamlin Road, Auburn Hills, Michigan 48326, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention or inventions, and in, to and under Letters Patent therefore in the United States and all other countries.

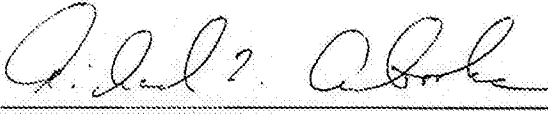
NOW, THEREFORE, BE IT KNOWN THAT, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer, and set over to and unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention or inventions, and in, to and under the above-identified application and all other applications for Letters Patent of the United States and for patents, utility models and other industrial property in all other countries for the above-entitled invention or inventions, including any and all priority rights or dates pursuant to the provisions of any International Convention for the protection of industrial property; and in, to and under all Letters Patent that may be issued for said invention or inventions in the United States and all other countries, and in, to and under all divisions, reissues, continuations and extensions thereof to the extent that I am inventor of such inventions and covenant that I have the full right so to do; and I hereby authorize and request the Commissioner of Patents to issue all United States Letters Patent on the invention or inventions included herein to said ASSIGNEE, as assignee of the entire interest, and I authorize said ASSIGNEE to file applications for patents, utility models and other industrial property based on said invention or inventions in ASSIGNEE'S name and to claim the above-identified priority rights or dates.

DKT14144A (0309.4284.902)

I further agree that I will communicate to said ASSIGNEE or its representatives or agents all facts and information known or available to me respecting said invention or inventions, including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings; execute and deliver, on request, all lawful papers including original, divisional continuing and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, depositions, etc., and generally do everything possible to aid said ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said invention or inventions, in the United States and all other countries.

Date

10/17/2016


MIKE AUSBROOKS