

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3020411

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	RAJENDRA VEMULA	10/15/2012
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	BORGWARNER INC	
<b>Street Address:</b>	3850 HAMLIN ROAD	
<b>City:</b>	AUBURN HILLS	
<b>State/Country:</b>	MICHIGAN	
<b>Postal Code:</b>	48326	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14370848
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	313-496-7945	
<b>Email:</b>	yott@millercanfield.com	
<b>Correspondent Name:</b>	MILLER CANFIELD	
<b>Address Line 1:</b>	150 WEST JEFFERSON	
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<b>Address Line 4:</b>	DETROIT, MICHIGAN 48226	
<b>ATTORNEY DOCKET NUMBER:</b>	DKT11153A	
<b>NAME OF SUBMITTER:</b>	ROBIN ASHER	
<b>SIGNATURE:</b>	/robin asher/	
<b>DATE SIGNED:</b>	09/12/2014	
<b>Total Attachments: 2</b>		
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source=Assignment#page2.tif		

## ASSIGNMENT

WHEREAS, Rajendra Vemula, a citizen of India, whose postal address is 74 Olde Covington Way, Arden, North Carolina, 28704, Robert Lotz, a citizen of Germany, whose postal address is 201 Cranbrook Drive, Arden, North Carolina, 28704, and George Edward Heddy III, a citizen of the United States, whose postal address is 1381 Ransier Drive, Hendersonville, North Carolina, 28739, hereinafter referred to as Assignors, have invented a certain new and useful invention relating to:

## TURBOCHARGER WITH VARIABLE TURBINE GEOMETRY HAVING GROOVED GUIDE VANES

for which a patent application was filed on January 13, 2012 in the United States Patent and Trademark Office as Serial No. 61/586,266.

WHEREAS, BORGWARNER INC., a company incorporated under 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, desires to acquire the entire and exclusive right, title, and interest in and to the invention;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors by these presents do sell, assign, and transfer to Assignee, its successors and assigns, the entire and exclusive right, title, and interest in and to the invention, all applications for Letters Patent, and all Letters Patents therefor in the United States and in all foreign countries, to be held and enjoyed by Assignee to the full end of the term for which the 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 and documents required or requested by Assignee, or its duly authorized representative, for the making and prosecution of applications for Letters Patent therefor in the United States and in all foreign countries, for litigation regarding, or for the purpose of protecting title to the invention or Letters Patent therefor for the benefit of Assignee without further or other compensation than that set forth above; and Assignors hereby request the Commissioner of Patents and Trademarks to issue the Letters Patent of the United States to Assignee.

Executed at 2:50 PM (EST), this 15 day of October 2012.  
Arden, NC

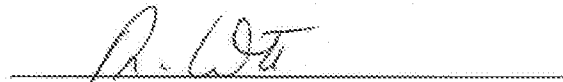
Rajendra Vemula  
Rajendra Vemula

## Statement by Witness

I, Ryan Howell, having a postal address of 707 Asheville Springs Circle, Asheville, NC 28806, was personally present and did see Rajendra Vemula who is known to me, execute the above Assignment.


  
Signature of Witness

Executed at Arden, this 10<sup>th</sup> day of October 2012.

  
Robert Lotz

## Statement by Witness

I, Dan G Grabowski, having a postal address of 16 Deer Run Dr, Asheville, NC USA, was personally present and did see Robert Lotz who is known to me, execute the above Assignment.

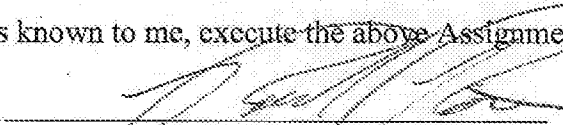
  
Signature of Witness

Executed at 1:35pm Eastern, this 15 day of October 2012.  
Arden, NC, USA

  
George Edward Heddy III

## Statement by Witness

I, Roland Roth, having a postal address of 92 Pickett Circle Arden, NC USA, was personally present and did see George Edward Heddy III who is known to me, execute the above Assignment.

  
Signature of Witness