

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Christian Spielvogel	11/16/2012
RECEIVING PARTY DATA	
Name:	Robert Bosch GmbH
Street Address:	Postfach 30 02 20
City:	Stuttgart
State/Country:	GERMANY
Postal Code:	70442
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13641599
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NAME OF SUBMITTER:	Paul J. Maginot
Total Attachments: 2 source=R331714_2179-0147_Assignment#page1.tif source=R331714_2179-0147_Assignment#page2.tif	

CH \$40.00 13641599

ASSIGNMENT

Pursuant to my obligation to Robert Bosch GmbH (hereinafter referred to as "Assignee"), a German corporation having a mailing address at:

Postfach 30 02 20
70442 Stuttgart
GERMANY

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,
I:

Christian Spielvogel
Dekan-Wagner-Strasse 19
72184 Eutingen
Germany

confirm my obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, except as set forth below, my entire right, title and interest -

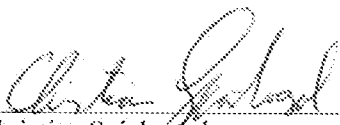
(1) in and to an invention entitled "Valve Arrangement" for which I have executed a United States patent application, said United States application being assigned U.S. Serial No. 13/641,599 filed on October 16, 2012, and which is disclosed in Patent Cooperation Treaty Application No. PCT/EP2011/001609, filed on March 30, 2011;

(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), reissue applications, and international patent applications designating the United States) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted; and

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including patent applications filed under the Patent Cooperation Treaty, the European Patent Convention or any other international

treaty, and including the right to claim priority of said United States application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

I hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to me, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.



Christian Spielvogel

Date 11/16/2012