PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FEDERICO STOLA	12/12/2016
MATTEO DECESARE	12/12/2016
FABRIZIO PONTI	12/12/2016
VITTORIO RAVAGLIOLI	12/12/2016

RECEIVING PARTY DATA

Name:	MAGNETI MARELLI S.P.A.	
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City:	CORBETTA	
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Postal Code:	20011	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15341156

CORRESPONDENCE DATA

Fax Number: (248)645-1568

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ATTORNEY DOCKET NUMBER:	711917.00089	
NAME OF SUBMITTER:	GERALD E. MCGLYNN, III	
SIGNATURE:	/Gerald E. McGlynn, III/	
DATE SIGNED:	01/25/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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PATENT REEL: 041072 FRAME: 0670 source=5178US-SignedDocuments#page2.tif source=5178US-SignedDocuments#page3.tif source=5178US-SignedDocuments#page4.tif

> PATENT REEL: 041072 FRAME: 0671

ASSIGNMENT

WHEREAS the undersigned, hereinafter referred to as ASSIGNORS, have invented METHOD OF ESTIMATING THE MFB50 COMBUSTION INDEX AND THE INSTANTANEOUS TORQUE GENERATED BY THE CYLINDERS OF AN INTERNAL COMBUSTION ENGINE for which ASSIGNORS made application for Letters Patent of the United States on November 2, 2016 and which has been assigned United States Serial No. 15/341,156; and

WHEREAS, MAGNETI MARELLI S.p.A., having an address at Viale Aldo Borletti, 61/63, 20011 CORBETTA, Italy, hereinafter referred to as ASSIGNEE, is desirous of acquiring all right, title, and 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, its successors in interest, assigns or other legal representatives, the entire and exclusive right, title and interest in the United States of America and all foreign countries to the said invention as described in the specification identified by the title set forth above and having the docket no. 711917.00089 kept at the offices of Howard & Howard Attorneys PLLC in Royal Oak, Michigan, said invention, all rights of priority and all applications for Letters Patent and all Letters Patents therefore, domestic or foreign, including but not limited to any Requests for Continued Prosecution (RCEs), continuations, continuations-in-part, divisionals, reissues, or extensions thereof as well as the subject matter of any and all claims which may be obtained or to which the ASSIGNORS have a right to obtain in every such patent to be held and enjoyed by ASSIGNEE to the full end of the term for which said Letters Patent are granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made together with all claims for damages by reason of infringement of said Letters Patent and with the right to sue for and collect damages; and ASSIGNORS hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of application(s) for Letters Patent of the United States of America and all foreign countries, for litigation regarding, or for the purpose of protecting title to the said 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 said Letters Patent of the United States of America to ASSIGNEE; and ASSIGNORS hereby represent and warrant that ASSIGNORS have not granted any rights inconsistent with the rights granted herein.

DECLARATION

The above-identified application was made or authorized to be made by us.

We believe that we are the original inventors of the claimed invention in the application.

We hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application.

Page 1 of 2

We hereby acknowledge our duty to disclose to the U.S. Patent Office all information known by us to be material to the patentability of the above-identified application.

Federico STOLA	Matteo DE CESARE
Date: December 12, 2016	Date: December 12, 2016
Fabrizio PONTI	Vittorio RAVAGLIOLI
Date:	Date:

Attorney Docket No. 711917.00089

ASSIGNMENT

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NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged. ASSIGNORS by these presents do sell, assign and transfer unto ASSIGNEE, its successors in interest, assigns or other legal representatives, the entire and exclusive right, title and interest in the United States of America and all foreign countries to the said invention as described in the specification identified by the title set forth above and having the docket no. 711917.00089 kept at the offices of Howard & Howard Attorneys PLLC in Royal Oak, Michigan, said invention, all rights of priority and all applications for Letters Patent and all Letters Patents therefore, domestic or foreign, including but not limited to any Requests for Continued Prosecution (RCEs), continuations, continuations-in-part, divisionals, reissues, or extensions thereof as well as the subject matter of any and all claims which may be obtained or to which the ASSIGNORS have a right to obtain in every such patent to be held and enjoyed by ASSIGNEE to the full end of the term for which said Letters Patent are granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made together with all claims for damages by reason of infringement of said Letters Patent and with the right to sue for and collect damages; and ASSIGNORS hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of application(s) for Letters Patent of the United States of America and all foreign countries, for litigation regarding, or for the purpose of protecting title to the said 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 said Letters Patent of the United States of America to ASSIGNEE; and ASSIGNORS hereby represent and warrant that ASSIGNORS have not granted any rights inconsistent with the rights granted herein.

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Federico STOLA	Matteo DE CESARE
Date:	Date:
Ll. Out	Viteris Langleti
Fabrizio PONTI	Vittorio RAVAGLIOLI
Date: December 12, 2016	Date: December 12, 2016

Attorney Docket No. 711917.00089