

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT and  
BMW OF NORTH AMERICA, LLC,  
Petitioners,

v.

PAICE LLC and THE ABELL FOUNDATION, INC.,  
Patent Owners.

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Case IPR2020-00994  
Patent 7,104,347

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**PATENT OWNERS' RESPONSE**

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### EXHIBIT LIST

<b>Exhibit No.</b>	<b>Description</b>
PAICE 2001	Patent Owners' Preliminary Response to Petition for IPR in IPR2014-00571 Dated July 11, 2014
PAICE 2002	Patent Owner's Response to Petition in IPR2014-00884 dated March 10, 2015
PAICE 2003	Decision on Institution in IPR2015-00794 dated November 2, 2015
PAICE 2004	Decision on Institution in IPR2015-00795 dated November 2, 2015
PAICE 2005	Petition for IPR in IPR2014-00571 dated April 4, 2014
PAICE 2006	Response to Interrogatory 27, BMW Responses to PAICE 1st Set of Interrogatories [1-28] dated May 6, 2020
PAICE 2007	Paice/Toyota Complaint dated June 8, 2004
PAICE 2008	Paice/Toyota Amended Complaint dated July 3, 2007
PAICE 2009	Scheduling Order [Docket No. 36] from 1:19-cv-03348-SAG (USDC-DMD) dated February 25, 2020
PAICE 2010	Docket Navigator Statistics – Top Patents by Number of IPRs
PAICE 2011	Ex. E to BMW Invalidity Contentions dated June 8, 2020
PAICE 2012	Ex. C to BMW Invalidity Contentions dated June 8, 2020
PAICE 2013	IPR2017-00226 Petition dated November 14, 2016
PAICE 2014	UK Patent Application GB 2,318,105 Cover Page
PAICE 2015	Printout of <a href="http://www.paicehybrid.com/licensing-agreements/">http://www.paicehybrid.com/licensing-agreements/</a>
PAICE 2016	Declaration of Mahdi Shahbakhti, Ph.D.
PAICE 2017	Curriculum Vitae of Mahdi Shahbakhti, Ph.D.
PAICE 2018	Bosch Gasoline-engine Management
PAICE 2019	Selected Pages From John Heywood, Internal Combustion Engines Fundamentals
PAICE 2020	Selected Pages From Merhdad Ehsani et al, Modern Electric, Hybrid Electric, and Fuel Cell Vehicles
PAICE 2021	Matthew Cuddy et al., Analysis of the Fuel Economy Benefit of Drivetrain Hybridization
PAICE 2022	Selected Pages From Draft Technical Assessment Report: Midterm Evaluation of Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards for Model Years 2022-2025
PAICE 2023	Selected Pages From Assessment of Fuel Economy of Fuel Economy Technologies for Light Duty Vehicles

PAICE 2024	Selected Pages From Richard Stone, Introduction to Internal Combustion Engines
PAICE 2025	Heinz Heisler, Advanced Vehicle Technology, SAE
PAICE 2026	Hitoshi Inoue et al., A Performance Improvement in Idle-Speed Control System with Feedforward Compensation for the Alternator Load Current, SAE
PAICE 2027	Satoru Watanabe, Development of Model-Following Idle Speed Control System Incorporating Engine Torque Models, SAE
PAICE 2028	Guzzella et al., Introduction to Modeling Control of Internal Combustion Engine Systems

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