

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 &  
BMW OF NORTH AMERICA, LLC,**  
Petitioners,

v.

**PAICE LLC & THE ABELL FOUNDATION, INC.**  
Patent Owners.

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Case IPR2020-01386  
Patent 7,237,634

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**PETITIONERS' UPDATED EXHIBIT LIST**

Petitioners' Updated Exhibit List  
IPR2020-01386 (U.S. Patent No. 7,237,634)

Exhibit No.	Description of Exhibit
BMW1001	U.S. Patent No. 7,237,634, including <i>Inter Partes</i> Review Certificates issued as U.S. Patent No. 7,237,634 K1 and U.S. Patent No. 7,237,634 K2
BMW1002	USPTO Assignments on the Web for U.S. Patent No. 7,237,634 K2
BMW1003	RESERVED
BMW1004	RESERVED
BMW1005	RESERVED
BMW1006	RESERVED
BMW1007	RESERVED
BMW1008	Declaration of Dr. Gregory W. Davis in Support of <i>Inter Partes</i> Review of U.S. Patent No. 7,237,634 K2
BMW1009	<i>Curriculum Vitae</i> of Dr. Gregory W. Davis
BMW1010	RESERVED
BMW1011	<i>Ford Motor Co. v. Paice LLC</i> , IPR2014-00884, Paper 38, Final Written Decision (P.T.A.B. Dec. 10, 2015)
BMW1012	File History for U.S. Patent No. 7,104,347 K2
BMW1013	U.S. Patent No. 5,343,970 (“Severinsky” or “Severinsky ’970”)
BMW1014	RESERVED
BMW1015	RESERVED
BMW1016	RESERVED
BMW1017	RESERVED
BMW1018	RESERVED

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Exhibit No.	Description of Exhibit
BMW1019	RESERVED
BMW1020	U.S. Patent No. 6,188,945 (“Graf”)
BMW1021	International Application Publication No. WO 92/15778 (“Ma”)
BMW1022	U.S. Patent No. 5,650,931 (“Nii”)
BMW1023	<i>Innovations in Design: 1993 Ford Hybrid Electric Vehicle Challenge</i> , Society of Automotive Engineers, SAE/SP-94/980, Davis, G.W. et al., “United States Naval Academy, AMPhibian” (Feb. 1994), 277-87
BMW1024	<i>1996 Future Car Challenge</i> , Society of Automotive Engineers, SAE/SP-97/1234, Swan, J. et al., “Design and Development of Hyades, a Parallel Hybrid Vehicle for the 1996 FutureCar Challenge” (Feb. 1997), 23-30
BMW1025	<i>1997 Future Car Challenge</i> , Society of Automotive Engineers, SAE/SP-98/1359, Swan, J. et al., “Design and Development of Hyades, a Parallel Hybrid Electric Vehicle for the 1997 FutureCar Challenge” (Feb. 1998), 29-39
BMW1026	U.S. Provisional Appl. No. 60/100,095 (Filed Sep. 11, 1998)
BMW1027	Wakefield, E.H., Ph.D., <i>History of the Electric Automobile – Hybrid Electric Vehicles</i> , Society of Automotive Engineers, SAE/SP-98/3420 (1998), 17-34 (Chapter 2: The History of the Petro-Electric Vehicle)
BMW1028	Unnewehr, L.E. et al., “Hybrid Vehicle for Fuel Economy,” Society of Automotive Engineers, SAE/SP-76/0121 (1976)
BMW1029	Burke, A.F., “Hybrid/Electric Vehicle Design Options and Evaluations,” Society of Automotive Engineers, SAE/SP-92/0447, International Congress & Exposition, Detroit, Michigan (Feb. 24-28, 1992)
BMW1030	Duoba, M, “Challenges for the Vehicle Tester in Characterizing Hybrid Electric Vehicles,” 7 <sup>th</sup> CRC On Road Vehicle Emissions Workshop, San Diego, California (Apr. 9-11, 1997)

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Exhibit No.	Description of Exhibit
BMW1031	<i>Electric and Hybrid Vehicles Program, 18th Annual Report to Congress for Fiscal Year 1994</i> , U.S. Department of Energy (Apr. 1995)
BMW1032	Bates, B. et al., "Technology for Electric and Hybrid Vehicles," Society of Automotive Engineers, SAE/SP-98/1331 (Feb. 1998)
BMW1033	Stodolsky, F. et al., "Strategies in Electric and Hybrid Vehicle Design," Society of Automotive Engineers, SAE/SP-96/1156, Kozo, Y. et al., "Development of New Hybrid System – Dual System," SAE/SP-96/0231 (Feb. 1996), 25-33
BMW1034	Leschly, K.O., <i>Hybrid Vehicle Potential Assessment, Volume 7: Hybrid Vehicle Review</i> , U.S. Department of Energy (Sep. 30, 1979)
BMW1035	RESERVED
BMW1036	Masding, P.W., et al., "A microprocessor controlled gearbox for use in electric and hybrid-electric vehicles," <i>Transactions of the Institute of Measurement and Control</i> , Vol. 10, No. 4 (July –Sep. 1988), 177-86
BMW1037	RESERVED
BMW1038	U.S. Patent No. 6,209,672 ("Severinsky '672")
BMW1039	Davis, G.W., Ph.D. et al., <i>Introduction to Automotive Powertrains</i> , Chapter 2: Road Loads (2000), 27-68
BMW1040	Ehsani, M. et al., "Propulsion System Design of Electric Vehicles," Texas A&M University, Department of Electrical Engineering (1996), 7-13
BMW1041	Ehsani, M. et al., "Propulsion System Design of Electric and Hybrid Vehicles," <i>IEEE Transactions on Industrial Electronics</i> , Vol. 44, No. 1 (Feb. 1997), 19-27
BMW1042	Bauer, H., ed., <i>Automotive Handbook</i> , Robert Bosch Gmbh (4th Ed. Oct. 1996), Excerpts

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Exhibit No.	Description of Exhibit
BMW1043	<i>Design Innovations in Electric and Hybrid Electric Vehicles</i> , Society of Automotive Engineers, SAE/SP-96/1089, Anderson, C., et al, "The Effects of APU Characteristics on the Design of Hybrid Control Strategies for Hybrid Electric Vehicles," SAE/SP-95/0493 (Feb. 1995), 65-71
BMW1044	U.S. Patent No. 5,656,921 ("Farrall")
BMW1045	Stone, R., <i>Introduction to Internal Combustion Engines</i> , Chapter 9: Turbocharging (2nd Ed. 1995), 324-53
BMW1046	Bauer, H., ed., <i>Automotive Handbook</i> , Robert Bosch GmbH (4th Ed. Oct. 1996), Excerpts
BMW1047	Heisler, H., <i>Advanced Engine Technology</i> , Chapters 6.7-6.10 (1995), 315-47
BMW1048	RESERVED
BMW1049	RESERVED
BMW1050	RESERVED
BMW1051	U.S. Patent No. 5,823,280 ("Lateur")
BMW1052	RESERVED
BMW1053	RESERVED
BMW1054	Quigley, et al., "Predicting the Use of a Hybrid Electric Vehicle ("Quigley")
BMW1055	Declaration of Sylvia Hall-Ellis, Ph.D.
BMW1056	U.S. Patent No. 5,189,621 ("Onari")
BMW1057	U.S. Patent No. 4,625,697 ("Hosaka")
BMW1058	U.S. Patent No. 5,533,583 ("Adler")
BMW1059	<i>Ford Motor Co. v. Paice LLC</i> , IPR2014-01416, Paper 26, Final

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