

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

FORD MOTOR COMPANY,
Petitioner,

v.

PAICE LLC & ABELL FOUNDATION, INC.,
Patent Owner.

U.S. Patent No. 7,237,634 to Severinsky *et al.*

IPR Case No.: 2015-00790

DECLARATION OF DR. GREGORY W. DAVIS IN SUPPORT OF *INTER PARTES* REVIEW UNDER 35 U.S.C. § 311 *ET SEQ.* AND 37 C.F.R. § 42.100 *ET SEQ.* (CLAIMS 4, 13-15, 25, 28, 29, 32, 67 AND 79 OF U.S. PATENT NO. 7,237,634)

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EXHIBIT LIST

Exhibit No.	Description	Date	Identifier
1650	U.S. Patent No. 7,237,634	July 3, 2007	'634 Patent
1651	Ford Letter to Paice	Sept. 2014	
1652	US Patent 5,789,882	Aug. 4, 1998	Ibaraki '882
1653	US Patent 5,865,263	Feb. 2, 1999	Yamaguchi '263
1654	Microprocessor Design for HEV (Bumby-1988)	Sept. 1, 1988	Bumby/Masding 1988
1655	US Patent 4,335,429	Jun. 15, 1982	Kawakatsu '429
1656	Fiat Conceptual Approach to Hybrid Cars Design (Vittone)	Dec. 5-7, 1994	Vittone
1657	US Patent 6,003,626	Dec. 21, 1999	Ibaraki '626
1658	US Patent 5,623,104	Apr. 22, 1997	Suga '104
1659	Engineering Fundamentals of the Internal Combustion Engine	1997	Pulkrabek
1660	Automotive Electronics Handbook (Jurgen)		Jurgen
1661	Declaration of Gregory Davis		Davis Dec.
1662	US Patent 7,104,347	Sept. 12, 2006	'347 Patent
1663	7,237,634 File History (certified)	n/a	'634 Patent File History
1664	Toyota Litigations	2005	Toyota Litigation
1665	Hyundai Litigation	2013-2014	Hyundai Litigation
1666	PTAB Decisions & Preliminary Response in 2014-00571		
1667	Excerpt of USPN 7,104,347 File History	n/a	'347 File History
1668	Innovations in Design: 1993 Ford Hybrid Electric Vehicle Challenge	Feb. 1994	
1669	1996 & 1997 Future Car Challenge	Feb. 1997 & Feb. 1998	
1670	Introduction to Automotive Powertrain (Davis)		Davis Textbook
1671	US Application 60-100095	Filed Sept. 11, 1998	'095 Provisional
1672	History of Hybrid Electric Vehicle (Wakefield-1998)	1998	Wakefield

Exhibit No.	Description	Date	Identifier
1673	SAE 760121 (Unnewehr-1976)	Feb. 1, 1976	Unnewehr
1674	SAE 920447 (Burke-1992)	Feb. 1, 1992	Burke 1992
1675	Vehicle Tester for HEV (Duoba-1997)	Aug. 1, 1997	Duoba 1997
1676	DOE Report to Congress (1994)	April 1995	1994 Report to Congress
1677	SAE SP-1331 (1998)	Feb. 1998	SAE SP-1331
1678	SAE SP-1156 (1996)	Feb. 1996	SAE SP-1156
1679	DOE HEV Assessment (1979)	Sept. 30, 1979	HEV Assessment 1979
1680	EPA HEV Final Study (1971)	June 1, 1971	EPA HEV Final Study
1681	WO 9323263A1 (Field)	Nov. 25, 1998	9323263
1682	Toyota Prius (Yamaguchi-1998)	Jan. 1998	Toyota Prius Yamaguchi 1998
1683	US Patent 6,209,672	April 3, 2001	'672 Patent
1684	Propulsion System for Design for EV (Ehsani-1996)	June 18, 2005	IEEE Ehsani 1996
1685	Propulsion System Design for HEV (Ehsani-1997)	Feb. 1997	IEEE Ehsani 1997
1686	Bosch Automotive Handbook (1996)	Oct. 1996	Bosch Handbook
1687	SAE SP-1089 (Anderson-1995)	Feb. 1995	SAE SP-1089
1688	Critical Issues in Quantifying HEV Emissions (An 1998)	Aug. 11, 1998	An 1998
1689	1973 Development of the Federal Urban Driving Schedule (SAE 730553)	1973	SAE 1973
1690	Gregory Davis Resume		
1691	Gregory Davis Data		
1692	Bumby, J.R. et al. "Optimisation and control of a hybrid electric car" - IEE Proc. A 1987, 134(6)	Nov. 1987	Bumby II
1693	US Patent 5,343,970	Sept. 6, 1994	Severinsky '970
1694	Paice Complaint	Feb. 25, 2014	

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