

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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FORD MOTOR COMPANY  
Petitioner,

v.

PAICE LLC & ABELL FOUNDATION, INC.  
Patent Owner.

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

IPR Case No.: IPR2015-00785

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**PETITION FOR *INTER PARTES* REVIEW  
UNDER 35 U.S.C. § 311 *ET SEQ.* AND 37 C.F.R. § 42.100 *ET SEQ.*  
(CLAIMS 80, 91, 92, 97, 99, 107, 108, 110, 112, 114, 125, 126, 130, 132, 140, 141, 143,  
145, 241, 252-254, 256-263 and 265 OF U.S. PATENT NO. 7,237,634)**

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**EXHIBIT LIST**

Exhibit No.	Description	Identifier
1351	U.S. Patent No. 7,237,634 issued to Severinsky <i>et al.</i> (July 3, 2007)	'634 Patent
1352	Declaration of Jeffery L. Stein, Ph.D.	Stein
1353	Paice LLC v. Ford Motor Company, Case No. 1:14-cv-00492, District of MD, Baltimore Div., Complaint (Feb. 19, 2014) (Ex. 1353 at 2-51.)  Service (Feb. 25, 2014) (Ex. 1353 at 1.)  Letter from Ford to Paice (Sept. 22, 2014) (Ex. 1353 at 52.)	Ford Litigation
1354	U.S. Patent No. 5,343,970 issued to Severinsky (Sept. 6, 1994)	Severinsky '970
1355	Catherine Anderson & Erin Pettit, <i>The Effects of APU Characteristics on the Design of Hybrid Control Strategies for Hybrid Electric Vehicles</i> , SAE Technical Paper 950493, published as part of Society of Automotive Engineers Special Publication, <i>DESIGN INNOVATIONS IN Electric AND Hybrid Electric Vehicles</i> , SAE SP-1089 (February, 1995) (available at <a href="http://papers.sae.org/950493/">http://papers.sae.org/950493/.</a> )	Anderson
1356	U.S. Patent No. 5,823,280 issued to Lateur (Oct. 20, 1998)	Lateur
1357	U.S. Patent No. 5,842,534 issued to Frank (Dec. 1, 1998)	Frank
1358	USPN 7,237,634 File History	'634 File History
1359	Toshifumi Takaoka et al., <i>A High-Expansion Ratio Gasoline Engine for the Toyota Hybrid System</i> , published as part of Toyota Technical Review, <i>Prevention of Global Warming</i> , Vol. 47, No. 2 (Toyota Motor Corporation, April 1998) (Ex. 1359 at 1-8.) (available at: <a href="https://www.worldcat.org/title/a-high-expansion-ratio-gasoline-engine-for-the-toyota-hybrid-system/oclc/205516653&amp;referer=brief_results.">https://www.worldcat.org/title/a-high-expansion-ratio-gasoline-engine-for-the-toyota-hybrid-system/oclc/205516653&amp;referer=brief_results.</a> )  Declaration of Walt Johnson and Exhibit A (Dec. 23,	Takaoka

Exhibit No.	Description	Identifier
	2014) (Ex.1359 at 9-19.)	
1360	USPN 7,104,347 File History Excerpts	'347 File History
1361	<p>Paice LLC v. Toyota Motor Corp. et al., Case No. 2:04-cv-211, E.D. Texas, Paice Opening Claim Construction Brief (Mar. 8, 2005) (Ex. 1361 at 1-40.)</p> <p>Paice Claim Construction Reply Brief (Mar. 29, 2005) (Ex. 1361 at 41-79.)</p> <p>Claim Construction Order (Sept. 28, 2005) (Ex. 1361 at 80-130.)</p> <p>Paice LLC v. Toyota Motor Corp. et al., Case No. 2:07-cv-180 (Paice Opening Claim Construction Brief (June 25, 2008) (Ex. 1361 at 131-165.)</p> <p>Paice Claim Construction Reply Brief (Aug. 1, 2008) (Ex. 1361 at 166-191.)</p> <p>Claim Construction Order (Dec. 5, 2008) (Ex. 1361 at 192-220.)</p>	Toyota Litigation
1362	<p>Paice LLC v. Hyundai Motor Corp. et al., Case No. 1:12-cv-0499, District of MD, Baltimore Div., Paice Opening Claim Construction Brief (Nov. 14, 2013) (Ex. 1362 at 1-37.)</p> <p>Paice Responsive Brief on Claim Construction (Dec. 16, 2013) (Ex. 1362 at 38-81.)</p> <p>Claim Construction Order (Ex. 1362 at 82-122.)</p>	Hyundai Litigation
1363	<p>Decision of Institution, IPR2014-00570, Paper 10 (Sept. 30, 2014) (Ex. 1363 at 1-13.)</p> <p>Excerpts from Public Patent Owner Preliminary Response, IPR2014-00571, Paper 11, (July 11, 2014) (Ex. 1363 at 14-23.)</p>	Ford IPRs

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