

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.
Petitioner

v.

RESONANT SYSTEMS, INC.,
Patent Owner

Case IPR2024-00806
Patent 9,941,830

PETITIONER'S UPDATED EXHIBIT LIST

LIST OF EXHIBITS

APPLE-1001	U.S. Patent No. 9,941,830
APPLE-1002	U.S. Patent No. 9,941,830 File History
APPLE-1003	Declaration of Blake Hannaford
APPLE-1004	U.S. Patent No. 7,843,277 to Pedro Gregorio, et al. ("Gregorio")
APPLE-1005	U.S. Patent No. 7,005,811 to Hiroshi Wakuda, et al. ("Wakuda")
APPLE-1006	U.S. Patent Application Publication. No. 2008/0294984 to Erin B. Ramsay, et al. ("Ramsay")
APPLE-1007	U.S. Patent Application Publication No. 2006/0109256 to Danny A. Grant, et al. ("Grant")
APPLE-1008	U.S. Patent Application Publication No. 2005/0134561 to Kollin M. Tierling, et al. ("Tierling")
APPLE-1009	U.S. Patent Publication No. 2008/0246532 ("Cosper")
APPLE-1010	U.S. Patent Application Publication No. 2008/0198139 to Robert Andre Lacroix, et al. ("Lacroix")
APPLE-1011	U.S. Patent Application Publication No. 2005/0134562 to Danny Grant, et al.
APPLE-1012	C. McLyman, <i>Chapter 1 – Fundamentals of Magnetics in Transformer and Inductor Design Handbook</i> , Marcel Dekker, Third Edition, Revised and Expanded, 2004
APPLE-1013	U.S. Patent No. 6,088,017 to Mark R. Tremblay, et al.

APPLE-1014	U.S. Patent No. 8,686,952 to Bobby Burrough, et al.
APPLE-1015	U.S. Patent No. 8,207,832 to Jue Byung Yun, et al.
APPLE-1016	U.S. Patent No. 8,203,640 to Jong Hwan Kim, et al.
APPLE-1017	U.S. Patent Application Publication No. 2007/0285216 to Kollin M. Tierling, et al.
APPLE-1018	Thorsten A. Kern, <i>Engineering Haptic Devices: A Beginner's Guide for Engineers</i> , Springer, 2009
APPLE-1019	U.S. Patent No. 6,982,696 to Erik J. Shahoian
APPLE-1020	U.S. Patent No. 4,879,641 to Domenico Rossi, et al. (“Rossi”)
APPLE-1021	Jack Aldrich, et al, <i>Controller for Driving a Piezoelectric Actuator at Resonance</i> , NASA Tech Briefs, April 2008 (“Aldrich”)
APPLE-1022	Declaration of June Munford re Aldrich
APPLE-1023	U.S. Patent No. 7,027,032 to Louis B. Rosenberg, et al. (“Rosenberg”)
APPLE-1024	U.S. Patent No. 5,736,797 to Ryo Motohashi, et al. (“Motohashi”)
APPLE-1025	U.S. Patent No. 5,955,799 to Hidetoshi Amaya, et al. (“Amaya”)
APPLE-1026	J. Peckol, <i>Embedded Systems, A contemporary Design Tool</i> , 2008 (“Peckol”)
APPLE-1027	Corrosion - two case studies: aluminium and iron, Primary Connections: Linking science with literacy, available at

<https://www.primaryconnections.org.au/themes/custom/connections/assets/SBR/data/Chem/sub/corrosion/corrosion.htm#:~:text=When%20it%20starts%20to%20corrode,keep%20attacking%20the%20underlying%20iron> (retrieved 2/12/2024)

- APPLE-1028 How to Protect Aluminum From Corrosion, OneMonroe, available at <https://monroeengineering.com/blog/how-to-protect-aluminum-from-corrosion/> (retrieved 2/12/2024)
- APPLE-1029 Electrical Conductivity of Materials, Blue Sea Systems, https://www.blueseasystems.com/resources/108/Electrical_Conductivity_of_Materials (retrieved 2/12/2024)
- APPLE-1030 Thermal Conductivity, available at hyperphysics.phy-astr.gsu.edu/hbase/Tables/thrcn.html (retrieved 2/12/2024)
- APPLE-1031 U.S. Patent No. 8,134,437 to Elliot Brooks
- APPLE-1032 Magnetic Materials, Phys 251; archived at Wayback Machine; citing a capture dated March 23, 2002 (https://web.archive.org/web/20020323183824/http://webphysics.iupui.edu/webscience/physics_archive/magneticmaterials.html)
- APPLE-1033 Resonant Systems Proposed Claim Constructions, 7-23-cv-00077 (WDTX) (Feb. 15, 2024)
- APPLE-1034 Apple, Inc. Proposed Claim Constructions, 7-23-cv-00077 (WDTX) (Feb. 15, 2024)
- APPLE-1035 Types of Magnetism, DoITPoMS, Department of Materials Science and Metallurgy, University of Cambridge; archived at Wayback Machine; citing a capture dated October 9, 2006 (https://web.archive.org/web/20061015000000*/https://www.doitpoms.ac.uk/tlplib/ferromagnetic/types.php)
- APPLE-1036 Motion to Transfer Venue, 7-23-cv-00077 (WDTX)

APPLE-1037	Moskowitz, B.M. (1991). Hitchhiker’s Guide to Magnetism. In Environmental Magnetism Workshop, pp. 1–38. Minneapolis: The Institute for Rock Magnetism and the Global Paleorecords Research Training Group
APPLE-1038	Resistance and Ohm’s Law; archived at Wayback Machine; citing a capture dated February 18, 1999 (https://web.archive.org/web/19990218085938/https://physics.bu.edu/~duffy/PY106/Resistance.html)
APPLE-1039	[RESERVED]
APPLE-1040	U.S. Patent Publication No. 2011/0133682 (“Egger”)
APPLE-1041	U.S. Patent Publication No. 2008/0001484 (“Fuller”)
APPLE-1042	U.S. Patent Publication No. 2006/0145547 (“Kraus”)
APPLE-1043	U.S. Patent Publication No. 2005/0275294 (“Izumi”)
APPLE-1044	Resonant Systems Preliminary Infringement Contentions, 7-23-cv-00077 (WDTX) (October 5, 2023)
APPLE-1045	Resonant Systems Opening Claim Construction Brief, <i>Resonant Systems, Inc. v. Samsung Electronics Co., Ltd. et al.</i> , 2-22-cv-00423 (EDTX) (December 21, 2023)
APPLE-1046	Apple, Inc. Opening Claim Construction Brief, 7-23-cv-00077 (WDTX) (March 21, 2024)
APPLE-1047	Resonant Systems Responsive Claim Construction Brief, , 7-23-cv-00077 (WDTX) (April 11, 2024)
APPLE-1048	Stipulation Letter
APPLE-1049	Second Declaration of Blake Hannaford

- APPLE-1050 Wikipedia, Power supply, available at https://en.wikipedia.org/wiki/Power_supply, retrieved May 6, 2025
- APPLE-1051 Dictionary Definition of “Power Supply” (Comprehensive Dictionary of Electrical Engineering, 2nd Ed., 2005)
- APPLE-1052 Dictionary Definition of “Power Supply” (Lotus Illustrated Dictionary of Electrical Engineering, 2008)
- APPLE-1053 Dictionary Definition of “Power Supply” (Dictionary of Science And Technology, 2nd Ed., 2007)
- APPLE-1054 Wikipedia, Permeability (electromagnetism), available at [https://en.wikipedia.org/wiki/Permeability_\(electromagnetism\)](https://en.wikipedia.org/wiki/Permeability_(electromagnetism)), as cited in footnote 122 of Declaration of Patent Owner’s Expert, Dr. Goossen (EX-2009), retrieved May 5, 2025
- APPLE-1055 Certified Copy of Deposition Transcript of Patent Owner’s Expert, Dr. Keith W. Goossen, May 8, 2025
- APPLE-1056 Petitioner’s Demonstratives

Respectfully submitted,

Date: July 14, 2025

/Craig A. Deutsch/

W. Karl Renner, Reg. No. 41,265
Thomas Rozylowicz, Reg. No. 50,620
Craig Deutsch, Reg. No. 69,264
Sangki Park, Reg. No. 77,261
Fish & Richardson P.C.
60 South Sixth Street, Suite 3200
Minneapolis, MN 55402
T: 202-783-5070
F: 877-769-7945

Counsel for Petitioner

CERTIFICATE OF SERVICE

Pursuant to 37 CFR § 42.6(e)(4), the undersigned certifies that on July 14, 2025, a complete and entire copy of this Petitioner's Updated Exhibit List and Demonstratives were provided by email to Patent Owner by serving the email correspondence addresses of record as follows:

Reza Mirzaie (Reg. No. 69,138)
Qi (Peter) Tong (Reg. No. 74,292)
Kristopher Davis (Reg. No. 62,063)
Neil A. Rubin (Reg. No. 67,030)
Paul A. Kroeger (*Pro Hac Vice*)
Christian W. Conkle (*Pro Hac Vice*)
RUSS AUGUST & KABAT

rmirzaie@raklaw.com
rak_revelhmi@raklaw.com
ptong@raklaw.com
kdavis@raklaw.com
nrubin@raklaw.com
pkroeger@raklaw.com
cconkle@raklaw.com

/Crena Pacheco/
Crena Pacheco
Fish & Richardson P.C.
60 South Sixth Street, Suite 3200
Minneapolis, MN 55402
pacheco@fr.com