UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

UNITED SERVICES AUTOMOBILE ASSOCIATION ("USAA"),
Petitioner,

v.

AUTO TELEMATICS LTD.,
Patent Owner.

Case IPR2023-00912
Patent 9,311,271

PETITIONER'S UPDATED EXHIBIT LIST

UPDATED EXHIBIT LIST

USAA-1001	U.S. Patent No. 9,311,271 to Wright ("the '271 Patent")
USAA-1002	Excerpts from the Prosecution History of the '271 Patent ("the Prosecution History")
USAA-1003	Declaration and Curriculum Vitae of Dr. William Michalson
USAA-1004	Original Complaint for Patent Infringement in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. May 11, 2022)
USAA-1005	U.S. Pat. Appl. Pub. No. 2011/0307188 ("Peng")
USAA-1006	U.S. Pat. Appl. Pub. No. 2010/0131691 ("Chatterjee")
USAA-1007	U.S. Patent No. 6,073,004 to Balachandran ("Balachandran")
USAA-1008	Thompson et. al, "Using Smartphones to Detect Car Accidents and Provide Situational Awareness to Emergency Responders," Mobilware 2010, LNICST 48, pp. 29–42, 2010 ("Thompson2010")
USAA-1009	International Publication No. WO 2007/114716 ("Willis")
USAA-1010	U.S. Patent Application Publication No. 2008/0255888 ("Berkobin")
USAA-1011	Cheng et. al, "An Android System Design and Implementation for Telematics Services," 2010 IEEE International Conference on Intelligent Computing and Intelligent Systems. Vol. 2. IEEE, 2010 ("Cheng2010")
USAA-1012	U.S. Patent No. 7,821,421 to Tamir et. al ("Tamir")
USAA-1013	U.S. Pat. No. 8,682,399 to Rabu ("Rabu")

USAA-1014	U.S. Pat. App. Pub. No. 2010/0208070 to Haynes ("Haynes")
USAA-1015	U.S. Pat. App. Pub. No. 2002/0105423 to Rast ("Rast")
USAA-1016	U.S. Pat. App. Pub. No. 2009/0192705 to Golding ("Golding")
USAA-1017	U.S. Pat. No. 7,765,058 to Doering ("Doering")
USAA-1018	European Pat. Pub. No. EP1614585A1 to Christian ("Christian")
USAA-1019	U.S. Pat. No. 5,906,393 to Mazur ("Mazur")
USAA-1020	Richard C. Hunt, "Emerging Communication Technologies in Emergency Medical Services," Prehospital Emergency Care, 2002; 6:1, 131-136 ("Hunt2002")
USAA-1021	Kanianthra, Joseph, Arthur Carter, and Gerard Preziotti. "Enhancing post-crash vehicle safety through an automatic collision notification system," No. 2001-06-0085. SAE Technical Paper, 2001 ("Kanianthra2001")
USAA-1022	Megalingam R.K. et al., "Wireless vehicular accident detection and reporting system." 2010 International Conference on Mechanical and Electrical Technology (ICMET 2010) ("Megalingam2010")
USAA-1023	Farris, P. et al., "General Motors OnStar." Darden Case No. UVA-M-0659 (2002) ("Farris2002")
USAA-1024	European Pat. App. Pub. No. EP 1,914,691 to Katayama et al. ("Katayama")
USAA-1025	U.S. Pat. App. Pub. No. 2012/0074770 to Lee ("Lee")
USAA-1026	International Publication No. WO 2010/042545 to Curry et. al ("Curry")

USAA-1027	Linda Null and Julia Lobur, Excerpts from The Essentials of Computer Organization and Architecture (2003) ("Null")
USAA-1028	U.S. Pat. Publication No. 2009/0005975 to Forstall et al. ("Forstall")
USAA-1029	Langle, Lonnie, and Ram Dantu, "Are you a safe driver" 2009 International Conference on Computational Science and Engineering. Vol. 2. IEEE, 2009 ("Langle")
USAA-1030	U.S. Pat. Publication No. 2006/0053038 to Warren et al. ("Warren")
USAA-1031	U.S. Pat. Publication No. 2007/0027585 to Wulff ("Wulff")
USAA-1032	Mohan, Prashanth et al., "Nericell: Rich Monitoring of Road and Traffic Conditions using Mobile Smartphones," Proceedings of the 6th ACM conference on Embedded network sensor systems, 2008. 323-336 ("Mohan")
USAA-1033	U.S. Pat. No. 5,274,560 to LaRue ("LaRue")
USAA-1034	Declaration of Nathaniel E. Frank-White re Exhibits USAA-1077 (Ex. A) and USAA-1078 (Ex. B)
USAA-1035	RESERVED
USAA-1036	Declaration of Nathaniel E. Frank-White re Exhibits USAA-1079 (Ex. A), USAA-1080 (Ex. B), and USAA-1081 (Ex. C)
USAA-1037-1040	RESERVED
USAA-1041	Zhao, Yilin, "Telematics: safe and fun driving," IEEE Intelligent systems 17.1 (2002): 10-14 ("Zhao2002A")
USAA-1042	Del Rosso, Christian, "The method, the tools and rationales for

	assessing dynamic memory efficiency in embedded real-time systems in practice," 2006 International Conference on Software Engineering Advances (ICSEA'06), IEEE, 2006 ("Christian2006")
USAA-1043	Wakihara, Masataka, "Recent developments in lithium ion batteries," Materials Science and Engineering: R: Reports 33.4 (2001): 109-134 ("Wakihara")
USAA-1044	Toledo, Tomer, et. al, "In-vehicle data recorders for monitoring and feedback on drivers' behavior," Transportation Research Part C: Emerging Technologies 16.3 (2008): 320-331 ("Toledo")
USAA-1045	International Publication No. WO 2010/062899 ("Callopy")
USAA-1046	Zhao, Yilin, "Vehicle Location and Navigation Systems," Artech House, Boston (1997) ("Zhao1997")
USAA-1047	Conover, Gerald D. "ITS Technology in Automotive—Who's on First?" SAE International (2006): 1-11 ("Conover2006")
USAA-1048	Skog, Isaac, et. al, "A versatile PC-based platform for inertial navigation," Proceedings of the 7th Nordic Signal Processing Symposium-NORSIG 2006. IEEE, 2006 ("Skog2006")
USAA-1049	Work, D. B. & Bayen, A.M., "Impacts of the mobile internet on transportation cyberphysical systems: traffic monitoring using smartphones," National Workshop for Research on High-Confidence Transportation Cyber-Physical Systems: Automotive, Aviation, & Rail, 2008 ("Work2008")
USAA-1050	Flinchbaugh, B., "Smart Camera Systems Technology Roadmap" Real-Time Vision for Human-Computer Interaction (2005), 285-297 ("Flinchbaugh2005")
USAA-1051	LeBlanc, David J., "Road departure crash warning system field operational test: methodology and results," Vol. 1: Technical Report, University of Michigan, Ann Arbor, Transportation

Research Institute, 2006 ("LeBlanc2006").

USAA-1052 Reddy, Sasank et al., "Determining transportation mode on mobile phones," 2008 12th IEEE international symposium on wearable computers. IEEE, 2008 ("Reddy2008").

USAA-1053 Zhao, Yilin, "Standardization of mobile phone positioning for 3G systems," IEEE Communications magazine 40.7 (2002): 108-116 ("Zhao2002B")

USAA-1054 Strömmer, Esko et al., "Ultra-low Power Sensors with Near Field Communication for Mobile Applications," Wireless Sensor and Actor Networks WSAN 2007: IFIP International Federation for Information Processing. Springer, Boston, MA, 2007 ("Strömmer2007")

USAA-1055 Schott, Christian, et al., "CMOS single-chip electronic compass with microcontroller," IEEE Journal of Solid-State Circuits 42.12 (2007): 2923-2933 ("Schott2007")

USAA-1056 Liutkauskas, V. et al., "Location based services," Elektronika ir elektrotechnika 52.3 (2004). 35-40. ("Liutkauskas2004")

USAA-1057 Ealey, Lance & Luis Troyano-Bermúdez, "Are automobiles the next commodity?" The McKinsey Quarterly 4 (1996): 62-75 ("Ealey1996")

USAA-1058 Zhao, Yilin, "Efficient and reliable data transmission for cellular-and-GPS-based mayday systems," Proceedings of Conference on Intelligent Transportation Systems, IEEE, 1997 ("Zhao1997B")

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USAA-1060	De Fabritiis, Corrado et al., "Traffic estimation and prediction based on real time floating car data," 2008 11th international IEEE conference on intelligent transportation systems, IEEE, 2008 ("DeFabritiis2008")
USAA-1061	Schäfer, Ralf-Peter, et al., "A traffic information system by means of real-time floating-car data" (2002) ("Schäfer2002")
USAA-1062	Kerner, B. S., et al., "Traffic state detection with floating car data in road networks," Proceedings of the 8th International IEEE Conference on Intelligent Transportation Systems, 2005, ("Kerner2005")
USAA-1063	Leduc, Guillaume, "Road traffic data: Collection methods and applications," Working Papers on Energy, Transport and Climate Change 1.55 (2008): 1-55 ("Leduc2008")
USAA-1064	Troncoso, Carmela, et al, "Pripayd: privacy friendly pay-as-you-drive insurance," IEEE Transactions on Dependable and Secure Computing, Vol. 8, No. 5, October 2011 ("Troncoso2011")
USAA-1065	Memorandum, Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation (USPTO June 21, 2022) ("Director's Guidance")
USAA-1066	Order Granting Motion for Entry of Scheduling Order in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. September 16, 2022)
USAA-1067	U.S. District Court Statistics (June 30, 2022), *available at* https://www.uscourts.gov/sites/default/files/fcms_na_distprofile0630.2022_0.pdf
USAA-1068	USAA's Opening Claim Construction Brief in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. December 19, 2022)
USAA-1069	Plaintiff's Claim Construction Response Brief in *Auto*

	Telematics Ltd. v. United Services Automobile Association, 6:22-cv-00474 (W.D. Tex. January 12, 2023)
USAA-1070	USAA's Reply Claim Construction Brief in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. January 25, 2023)
USAA-1071	Plaintiff's Claim Construction Sur-Reply Brief in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. February 6, 2023)
USAA-1072	Joint Claim Construction Statement in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. February 7, 2023)
USAA-1073	Claim Construction Order in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. February 16, 2023)
USAA-1074	Stipulation by USAA
USAA-1075	Plaintiff Auto Telematics Ltd.'s Preliminary Infringement Contentions and Identification of Document Production Accompanying Disclosure in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. August 26, 2022)
USAA-1076	United Services Automobile Association's Preliminary Invalidity Contentions in in *Auto Telematics Ltd. v. United Services Automobile Association*, 6:22-cv-00474 (W.D. Tex. October 21, 2022)
USAA-1077	Internet Archive of Waze User Manual
USAA-1078	Internet Archive of iPhone User Guide
USAA-1079	Internet Archive of iPhone 3G Technical Specification
USAA-1080	Internet Archive of iPhone User Guide for iPhone and iPhone

	3G
USAA-1081	Internet Archive of Instruction Sheet for iPhone 3G
USAA-1082-1499	RESERVED
USAA-1500	International Publication No. WO 2012/036809 ("Bourque")
USAA-1501	U.S. Pat. Appl. Pub. No. 2012/0071151 ("Abramson et al.")
USAA-1502	U.S. Pat. Appl. Pub. No. 2006/0145039 ("Shawver")
USAA-1503	Priority Document GB 1021292.6 filed Dec. 15, 2010 ("P1")
USAA-1504	Priority Document GB 1101259.8 filed Jan. 25, 2011 ("P2")
USAA-1505	Priority Document GB 1109759.9 filed Jun. 10, 2011 ("P3")
USAA-1506	Priority Document GB 1118777.0 filed Oct. 31, 2011 ("P4")
USAA-1507	Balasubramanian, et al. "Energy consumption in mobile phones: a measurement study and implications for network applications." Proceedings of the 9th ACM SIGCOMM Conference on Internet Measurement. 2009. ("Balasubramanian")
USAA-1508	Carroll, et al. "An analysis of power consumption in a smartphone." USENIX annual technical conference. Vol. 14. 2010 ("Carroll")
USAA-1509	Miyaji, et al. "Analysis of driver behavior based on traffic incidents for driver monitor systems." 2008 IEEE Intelligent Vehicles Symposium. IEEE ("Miyaji")
USAA-1510	U.S. Patent No. 7,505,784 to Barbera ("Barbera")

USAA-1511	Mitrovic, "Reliable method for driving events recognition." IEEE transactions on intelligent transportation systems 6.2 (2005): 198-205 ("Mitrovic")
USAA-1512	Boonmee, et al., "Portable reckless driving detection system." 2009 6th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology. Vol. 1. IEEE, 2009 ("Boonmee")
USAA-1513	Singleton, et al., "Automobile event data recorder forensics," Advances in Digital Forensics IV 4. Springer US, 2008 ("Singleton")
USAA-1514	Correia, et al, "Utilizing data from automotive event data recorders," Proceedings of the Canadian Multidisciplinary Road Safety Conference XII, London Ontario, 2001 ("Correia")
USAA-1515	Flowers, et al, "Prediction of Accident Likelihood Using Poisson Regression," Traffic Accident Research and Evaluation Program, Texas Transportation Institute, The Texas A&M University System, 1980 ("Flowers")
USAA-1516	U.S. Pat. Appl. Pub. No. 2014/0114696 ("Amigo")
USAA-1517	U.S. Pub. No. 2010/0131307 ("Collopy")
USAA-1518	U.S. Pub. No. 2011/0077028 ("Wilkes")
USAA-1519	Stipulation by USAA and Noblr Reciprocal Exchange

Respectfully submitted,

Dated September 12, 2023

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CERTIFICATE OF SERVICE

Pursuant to 37 CFR § 42.6(e), the undersigned certifies that on September 12, 2023, a complete and entire copy of this Petitioner's Updated Exhibit List and Exhibit 1519 were provided by email, to the Patent Owner, by serving the correspondence addresses of record as follows:

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