UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD
GOOGLE LLC Petitioner
V.

Case IPR2018-01083 Patent 9,445,251

AGIS SOFTWARE DEVELOPMENT, LLC
Patent Owner

DECLARATION OF DAVID HILLIARD WILLIAMS IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 9,445,251

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EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 9,445,251 to Beyer, Jr. et al., issued September 13,
	2016 ("'251 Patent")
1002	File History of U.S. Patent No. 9,445,251 ("'251 Patent File
	History")
1003	Declaration of David Hilliard Williams ("Williams")
1004	Curriculum Vitae of David Hilliard Williams
1005	U.S. Patent No. 6,366,782 to Fumarolo <i>et al.</i> , issued April 2, 2002
	("Fumarolo-782")
1006	U.S. Patent No. 6,204,844 to Fumarolo et al., issued March 20,
	2001 ("Fumarolo-844")
1007	U.S. Patent Application Publication No. 2002/0173906 to
	Muramatsu, published November 21, 2002, ("Muramatsu")
1008	U.S. Patent Application Publication No. 2002/0027901 to Liu et
	al., issued March 7, 2002 ("Liu")
1009	Plaintiff's Original Complaint for Patent Infringement, AGIS
	Software Development LLC v. Huawei Device USA Inc., et al.,
	Case No. 2:17-cv-00513 (TXED), filed June 21, 2017.
1010	("Infringement Complaint")
1010	U.S. Patent No. 7,031,728 to Beyer, Jr., issued April 18, 2006
4044	("'728 Patent")
1011	U.S. Patent No. 7,630,724 to Beyer, Jr., et al., issued December 8,
1010	2009 ("'724 Patent")
1012	911 and E911 Services, Federal Communications Commission,
1012	www.fcc.gov/e911 (last visited May 7, 2018)
1013	Fact Sheet, FCC Wireless 911 Requirements (January 2001),
	available at https://transition.fcc.gov/pshs/services/911-
1014	services/enhanced911/archives/factsheet_requirements_012001.pdf
1014	Jock Christie, et al., Development and Deployment of GPS Wireless Devices for F011 and Location Paged Services (Position Location
	Devices for E911 and Location Based Services (Position, Location,
1015	and Navigation Symposium, 2002) ("Christie") Dale N. Hatfield, A Report on Technical and Operational Issues
1013	Impacting The Provision of Wireless Enhanced 911 Services,
	Federal Communications Commission (2002) ("Hatfield")
1016	Charles E. Perkins, "Ad Hoc Networking." Nokia Research Center
1010	(November 28, 2000) ("Perkins")
	(1.0.) (1.0.) (1.0.) (1.0.)



Exhibit No.	Description
1017	Duncan Scott Sharp, Adapting Ad Hoc Network Concepts to Land
	Mobile Radio Systems (1972 Ph.D. dissertation, University of Alberta) (on file with Simon Fraser University, December 2002)
	("Duncan")
1018	Madhavi W. Subbarao, Mobile Ad Hoc Data Networks for
	Emergency Preparedness Telecommunications - Dynamic Power-
	Conscious Routing Concepts (Submitted as an interim project for
	Contract Number DNCR086200 to the National Communications Systems, February 1, 2000) ("Subbarao")
1019	Intentionally Left Blank
1020	McKinsey & Company, <i>The McKinsey Report : FDNY 9/11 Response</i> (2002) ("The McKinsey Report")
1021	William K. Rashbaum, <i>Report on 9/11 Finds Flaws In Response of Police Dept.</i> , N.Y. Times (July 27, 2002), <i>available at</i> http://www.nytimes.com/2002/07/27/nyregion/report-on-9-11-finds-flaws-in-response-of-police-dept.html?mcubz=0
1022	
1022	Fred Durso, Jr., <i>A Decade of Difference</i> , NFPA Journal (Sept. 1, 2011), <i>available at</i> http://www.nfpa.org/news-and-research/publications/nfpa-journal/2011/september-october-2011/features/a-decade-of-difference
1023	"Locate-Track-Extract; Wireless Mesh Networking Allows Commanders to Keep Track of Firefighters at an Incident Scene," <i>Mission Critical Communications</i> , March 2004
1024	U.S. Patent Publication No. 2003/0100326 to Grube <i>et al.</i> , published May 29, 2003 ("Grube")
1025	U.S. Patent No. 6,654,683 to Jin <i>et al.</i> , issued November 25, 2003 ("Jin")
1026	U.S. Patent No. 6,119,017 to Cassidy <i>et al.</i> , issued September 12, 2000 ("Cassidy")
1027	U.S. Patent No. 5,563,931 to Bishop <i>et al.</i> , issued October 8, 1996 ("Bishop")
1028	Ching-Chien Chen, et al., Automatically and Accurately Conflating Satellite Imagery and Maps (University of Southern California, October 2003) ("Chen")



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