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GOOGLE LLC
Petitioner

v.

AGIS SOFTWARE DEVELOPMENT, LLC
Patent Owner

Case IPR2018-01081
Patent 9,445,251

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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1003	Declaration of David Williams
1004	*Curriculum Vitae* of David Williams
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1008	Complaint for Patent Infringement, *AGIS Software Development LLC v. Huawei Device USA Inc., et al.*, Civ. No. 2:17-cv-00513 (E.D. Tex.), filed June 21, 2017 ("Infringement Complaint")
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1010	U.S. Patent No. 7,630,724 to Beyer, Jr. *et al.* ("'724 patent")
1011	U.S. Patent No. 7,031,728 to Beyer, Jr. *et al.* ("'728 patent")
1012	911 and E911 Services, Federal Communications Commission, 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-services/enhanced911/archives/factsheet_requirements_012001.pdf
1014	Jock Christie, *et al.*, *Development and Deployment of GPS Wireless Devices for E911 and Location Based Services* (Position, Location, and Navigation Symposium, 2002) ("Christie")

1015	Dale N. Hatfield, *A Report on Technical and Operational Issues Impacting The Provision of Wireless Enhanced 911 Services*, Federal Communications Commission (2002) ("Hatfield")
1016	Charles E. Perkins, "Ad Hoc Networking." Nokia Research Center (November 28, 2000) ("Perkins")
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	McKinsey & Company, *The McKinsey Report : FDNY 9/11 Response* (2002) ("The McKinsey Report")
1020	U.S. Patent Application Publication No. 2003/0100326 A1 to Grube *et al*. ("Grube")
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1022	U.S. Patent No. 6,182,114 to Yap *et al.* ("Yap")
1023	U.S. Patent No. 6,700,589 to Canelones *et al.* ("Canelones")
1024	U.S. Patent No. 6,654,683 to Jin *et al.* ("Jin")
1025	Ching-Chien Chen, *et al., Automatically and Accurately Conflating Satellite Imagery and Maps* (University of Southern California, October 2003) ("Chen")
1026	U.S. Patent No. 5,563,931 to Bishop *et al.* ("Bishop")
1027	Michael Trupiano, *A Taxonomy for Assessing Fitness of Mobile Data Services in US Consumer Markets* (February 1, 2001 Ph.D. dissertation, Massachusetts Institute of Technology) (on file with Massachusetts Institute of Technology) ("Trupiano")

1028	William K. Rashbaum, *Report on 9/11 Finds Flaws In Response of Police Dept.*, N.Y. Times (July 27, 2002), *available at* http://www.nytimes.com/2002/07/27/nyregion/report-on-9-11-finds-flaws-in-response-of-police-dept.html?mcubz=0
1029	Fred Durso, Jr., *A Decade of Difference*, NFPA Journal (Sept. 1, 2011), *available at* http://www.nfpa.org/news-and-research/publications/nfpa-journal/2011/september-october-2011/features/a-decade-of-difference
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1031	John H. Mock *et al.*, *A Voice Over IP Solution for Mobile Radio Interoperability*, University of New Hampshire, ECE Department, IEEE 56th, Vol. 3, pp. 1338-1341 (2002)
1032	Rick Rotondo, *Locate-Track-Extract: Wireless Mesh Networking Allows Commanders to Keep Track of Firefighters at an Incident Scene*, Mission Critical Communications Magazine (March 2004)

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