

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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APPLE, INC.,  
Petitioner

v.

QUALCOMM INCORPORATED,  
Patent Owner

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Case IPR2018-01282  
U.S. Patent No. 8,768,865

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**PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE**

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### UPDATED EXHIBIT LIST

- APPLE-1001 U.S. Patent No. 8,768,865 to Narayanan, et al. (“the ‘865 patent”)
- APPLE-1002 Excerpts from the Prosecution History of the ‘865 Patent (“the Prosecution History”)
- APPLE-1003 RESERVED
- APPLE-1004 Curriculum Vitae of Dr. James Allen
- APPLE-1005 Wang et al, “*A Framework of Energy Efficient Mobile Sensing for Automatic User State Recognition*”, Proceedings of the 7th international conference on Mobile systems, applications, and services, pp. 179-192 , Kraków, Poland — June 22 - 25, 2009 (“Wang”)
- APPLE-1006 “Qualcomm Incorporated Compliant for Patent Infringement,” filed on November 29<sup>th</sup>, 2017, from Case No. 3:17-cv-02402-WQH-MDD filed in S.D. CA. (“Compliant”)
- APPLE-1007 Exhibit 865 of “Qualcomm Inc.’s Patent Initial Infringement Contentions,” filed on March 2<sup>nd</sup>, 2018, from Case No. 3:17-cv-02402-WQH-MDD filed in S.D. CA. (“Infringement Contentions”)
- APPLE-1008 U.S. Patent Application Publication No. 2010/0217533 to Nadkarni et al. (“Nadkarni”)
- APPLE-1009 U.S. Patent Application Publication No. 2008/0297513 to Greenhill et al. (“Greenhill”)
- APPLE-1010 Webpage of “Nokia N95 8GB - Full phone specifications” (Archive.org version dated 05/26/2009, [http://web.archive.org/web/20090526054459/http://www.gsmarena.com:80/nokia\\_n95\\_8gb-2088.php](http://web.archive.org/web/20090526054459/http://www.gsmarena.com:80/nokia_n95_8gb-2088.php)) (“Nokia N95”)

- APPLE-1011 U.S. Patent No. US 8,676,224 to Louch (“Louch”)
- APPLE-1012 U.S. Patent Application Publication No. 2011/0066383 to Jangle et al. (“Jangle”)
- APPLE-1013 U.S. Patent No. 9575776 to De Andrade Cahyba et al. (“De Andrade Cahyba”)
- APPLE-1014 U.S. Patent Application Publication No. 2011/0081634 to Kurata (“Kurata”)
- APPLE-1015 Declaration of Mr. Chris Butler for Nokia N95/APPLE-1010
- APPLE-1016 Declaration of Mr. Scott Delman for Wang/APPLE-1005
- APPLE-1017 Cohn, D., Caruana, R., & McCallum, A. *Semi-supervised clustering with user feedback in Constrained Clustering: Advances in Algorithms, Theory, and Applications*, 4(1), 17-32 (2009). (“Cohn”)
- APPLE-1018 Ruzzelli, A., Nicolas, C. Schoofs, A., O’Hare, G. Real-time recognition and profiling of appliances through a single electricity sensor, Proc. 7th Annual IEEE Conference on Sensor Mesh (SECON), Boston. MA 2010. (“Ruzzelli”)
- APPLE-1019 Cilla, R., Particio, M., Garcia, J., Berlanga, A., and Molina, J. Recognizing Human Activities from Sensors Using Hidden Markov Models Constructed by Feature Selection, *Algorithms 2009*, 2: pp282-300. (“Cilla”)
- APPLE-1020 The Seventh Edition of the Authoritative Dictionary of IEEE Standards Terms (2000)
- APPLE-1021 Declaration of Dr. James Allen
- APPLE-1022 Declaration of Noah C. Graubart

...

- APPLE-1023 Declaration of John Villasenor in Qualcomm, Incorporated vs. Apple, Incorporated, Document161-3
- APPLE-1024 Joint Claim Construction Hearing Statement Pursuant to Patent L.R 4.2. In Qualcomm Incorporated versus Apple Incorporated, Document 125
- APPLE-1025 Qualcomm Incorporated's Amended Patent L.R. 3.1 and 3.2 Disclosures
- APPLE-1026 Deposition transcript of John Villasenor

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