U.S. Patent No. 7,116,710 IPR2017-00210

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,

Petitioner

v.

CALIFORNIA INSTITUTE OF TECHNOLOGY,

Patent Owner.

Case IPR2017-00210 U.S. Patent No. 7,116,710

PETITIONER'S UPDATED EXHIBIT LIST

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IPR2017-00210 U.S. Patent No. 7,116,710

Pursuant to the Board's authorization in Paper 53, dated February 28, 2018,

Petitioners hereby submits the Declaration of James A. Davis, Ph.D. and this

updated Exhibit List. The Declaration of James A. Davis, Ph.D. is Exhibit 1073.

Respectfully submitted,

Date: March 1, 2018

/ Michael Smith/

Michael H. Smith Registration No. 71,190

Exhibit List

Exhibit	Description
1001	U.S. Patent 7,116,710
1002	Frey, B. J. and MacKay, D. J. C., "Irregular Turbocodes," <i>Proc.</i> 37th Allerton Conf. on Comm., Control and Computing, Monticello, Illinois, published on or before March 20, 2000
1003	D. Divsalar, H. Jin, and R. J. McEliece, "Coding theorems for "turbo-like" codes," <i>Proc. 36th Allerton Conf. on Comm.,</i> <i>Control and Computing</i> , Allerton, Illinois, pp. 201-10, March, 1999
1004	Luby, M. <i>et al.</i> , "Analysis of Low Density Codes and Improved Designs Using Irregular Graphs," <i>STOC</i> '98, pp. 249-59, published in 1998
1005	Pfister <i>et al.</i> , "The Serial Concatenation of Rate-1 Codes Through Uniform Random Interleavers" (Exhibit 1 to the Siegel Declaration)
1006	Declaration of Professor James Davis, Ph.D. ("Davis Declaration")
1007	Gallager, R., <i>Low-Density Parity-Check Codes</i> , Monograph, M.I.T. Press, 1963
1008	Berrou <i>et al.</i> , "Near Shannon Limit Error-Correcting Coding and Decoding: Turbo Codes," <i>ICC '93</i> , Technical Program, Conference Record 1064, Geneva 1993
1009	MacKay, D. J. C, and Neal, R. M. "Near Shannon Limit Performance of Low Density Parity Check Codes," <i>Electronics Letters</i> , vol. 32, pp. 1645-46, 1996
1010	Benedetto, S. et al., <i>Serial Concatenation of Block and Convolutional Codes</i> , 32.10 Electronics Letters 887-8, 1996
1011	Luby, M. <i>et al.</i> , "Practical Loss-Resilient Codes," <i>STOC</i> '97, 1997

1012	Declaration of Robin Fradenburgh Concerning the "Proceedings, 36th Allerton Conference on Communications, Control, and Computing" Reference
1013	Frey, B. J. and MacKay, D. J. C., "Irregular Turbo-Like Codes" presented at the 1999 Allerton Conference on Communications, Control, and Computing.
1014	Prosecution History of the '710 Patent, Response Dated May 5, 2005
1015	Table of Contents of Proceedings of the 37th AllertonConference on Communication, Control and Computing fromSeptember 22-24, 1999
1016	Joint Claim Construction Statement (Case No. 2:13-cv-07245, Dkt. No. 47)
1017	Expert Report of Dr. Brendan Frey (Case No. 2:13-cv-07245)
1018	Aamod Khandekar, "Graph-based Codes and Iterative Decoding," Thesis submitted June 10, 2002
1019	Richardson, Shokrollahi, and Urbanke, "Design of Provably Good Low-Density Parity Check Codes"
1020	Declaration of Paul H. Siegel
1021	U.S. Provisional Application No. 60/205,095
1022	Mitzenmacher, M. "Studying balanced allocations with differential equations," <i>Combinatorics, Probability & Computing</i> 8.5, pp. 473-482, September 1999
1023	Barg <i>et al.</i> , "Linear-time Binary Codes Correcting Localized Erasures," <i>IEEE Transactions on Information Theory</i> 45.7, pp. 2545-2550, November 1999
1024	Shokrollahi, "New Sequences of Linear Time Erasure Codes Approaching the Channel Capacity," <i>Applied Algebra, Algebraic</i> <i>Algorithms and Error-Correcting Codes</i> , pp. 65-76, 1999
1025	Declaration Of Richard Goldenberg In Support Of Unopposed Motions To Submit Replacement Exhibits Pursuant To 37 C.F.R. § 42.104(c)

1026	Declaration Of Jonathan Barbee In Support Of Unopposed Motions To Submit Replacement Exhibits Pursuant To 37 C.F.R. § 42.104(c)
1027	Declaration of James M. Dowd in Support of Motion for Admission <i>Pro Hac Vice</i>
1028	Declaration of Mark D. Selwyn in Support of Motion for Admission <i>Pro Hac Vice</i>
1029	OCLC Record of <i>Proceedings of the 36th Allerton Conference on</i> <i>Communication, Control and Computing</i> , indicating the 36th Allerton Conference Proceeding was published by June 3, 1999
1030	Declaration of Library Expert Theodore A. Fons
1031	Affidavit of Pamela Stansbury (an employee in the Original Cataloging Unit of the Cornell University Library)
1032	Affidavit from Dr. Bruce Hajek (a six-time co-chair of the Allerton Conference, including the 36th Allerton Conference and the 37th Allerton Conference)
1033	Affidavit from Dr. Tamer Başar (a six-time co-chair of the Allerton Conference, including the 36th Allerton Conference)
1034	Affidavit from Dr. Ramavarapu Sreenivas (a two-time co-chair of the Allerton Conference, including the 37th Allerton Conference)
1035	Declaration of Dr. Brendan Frey
1036	A Screen Capture of an Archived Version of the Website for the 37th Annual Allerton Conference, dated September 9, 1999
1037	A Purchase Order for the 37th Allerton Conference Proceedings, dated December 8, 1999
1038	A Bill of Lading for the 37th Annual Allerton Conference Proceedings, with a ship date of February 21, 2000
1039	An Excerpt from the Deposition of Dr. Steven Wicker (Case No. 2:13-cv-07245)
1040	An Excerpt from the Deposition of Dr. Rüdiger Urbanke (Case No. 2:13-cv-07245)
1041	Jafar A. Alzubi, Omar A. Alzubi, and Thomas M. Chen, Forward Error Correction Based on Algebraic-Geometric Theory (2014)

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