

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD., SAMSUNG ELECTRONICS
AMERICA, INC., and APPLE INC.,
Petitioner,

v.

SMART MOBILE TECHNOLOGIES LLC,
Patent Owner.

Case IPR2022-01249
Patent 9,019,946 B1

PETITIONERS' UPDATED EXHIBIT LIST

UPDATED EXHIBIT LIST

- EX-1001 U.S. Patent No. 9,019,946 to Raman K Rao, et al. (“the ’946 patent”)
- EX-1002 Excerpts from the Prosecution History of the ’946 Patent (“the Prosecution History”)
- EX-1003 Declaration of Dr. Michael Allen Jensen
- EX-1004 U.S. Patent No. 6,711,146 to Leonid A. Yegoshin (“Yegoshin”)
- EX-1005 U.S. Patent No. 5,784,032 to Ronald H. Johnston, et al. (“Johnston”)
- EX-1006 U.S. Patent No. 5,590,133 to Lars Billström, et al. (“Billström”)
- EX-1007 U.S. Patent No. 5,497,339 to Marc A. Bernard (“Bernard”)
- EX-1008 International Patent Publication No. WO 98/27748 (“WO748”)
- EX-1009 U.S. Patent No. 5,854,985 to Joseph B. Sainton, et al. (“Sainton”)
- EX-1010 U.S. Patent No. 6,031,503 to Joseph A. Preiss, II, et al. (“Preiss”)
- EX-1011 Larry L. Peterson and Bruce S. Davie, Computer Networks: A Systems Approach, Morgan Kaufmann Publishers, Inc., San Francisco, CA, 1996
- EX-1012 Andrew S. Tanenbaum, Computer Networks, Third Edition, Prentice Hall PTR, Upper Saddle River, NJ, 1996
- EX-1013 Merilee Ford, H. Kim Lew, Steve Spanier, and Tim Stevenson, Internetworking Technologies Handbook, New Riders Publishing, Indianapolis, IN, 1997
- EX-1014 William Stallings, Data and Computer Communications, 5th Edition, Prentice Hall, Upper Saddle River, NJ, 1996
- EX-1015 Dictionary Definition of “time division multiplex” (Newton’s

- EX-1016 U.S. Patent No. 6,115,615 to Takeshi Ota, et al.
- EX-1017 U.S. Patent No. 6,366,622 Stephen Joseph Brown
- EX-1018 U.S. Patent No. 6,560,443 to Ari Vaisanen, et al.
- EX-1019 U.S. Patent No. 5,680,633 to Steven E. Koenck, et al.
- EX-1020 U.S. Patent No. 6,047,322 to Aseem Vaid, et al.
- EX-1021 Excerpts from Theodore S. Rappaport, Wireless Communications Principles & Practice, Prentice Hall, 1996
- EX-1022 R. G. Vaughan, et al., Antenna diversity in mobile communications, in IEEE Transactions on Vehicular Technology, vol. 36, no. 4, pp. 149-172, Nov. 1987
- EX-1023 S. M. Alamouti, A simple transmit diversity technique for wireless communications, in IEEE Journal on Selected Areas in Communications, vol. 16, no. 8, pp. 1451-1458, Oct. 1998
- EX-1024 Excerpts from Douglas E. Comer, Internetworking with TCP/IP Volume One, Third Edition, 1995
- EX-1025 U.S. Patent No. 5,768,691 to Jorma Matero, et al.
- EX-1026 U.S. Patent No. 5,960,344 to Ronald L. Mahany
- EX-1027 European Patent Application 0 660 626 A2 to John Daniel Byrne
- EX-1028 Excerpts from William C. Jakes, Microwave Mobile Communications, IEEE Press, 1974
- EX-1029 [RESERVED]
- EX-1030 Yi-Bing Lin, Cellular digital packet data, in IEEE Potentials, vol. 16, no. 3, pp. 11-13, Aug.-Sept. 1997
- EX-1031 A. K. Salkintzis, Packet data over cellular networks: the CDPD approach, in IEEE Communications Magazine, vol. 37, no. 6, pp. 152-159, June 1999

- EX-1032 C. E. Perkins et al., A mobile networking system based on Internet protocol, in IEEE Personal Communications, vol. 1, no. 1, pp. 32-41, 1st Qtr. 1994
- EX-1033 K. C. Budka, H. Jiang and S. E. Sommars, Cellular digital packet data networks, in Bell Labs Technical Journal, vol. 2, no. 3, pp. 164-181, Summer 1997
- EX-1034 [RESERVED]
- EX-1035 U.S. Patent No. 6,353,443 to Zhinong Ying
- EX-1036 U.S. Patent No. 5,790,176 to Bernard Jeff Craig
- EX-1037 U.S. Patent No. 6,230,194 to Jean-Marc Frailong et al.
- EX-1038 U.S. Patent No. 6,600,734 to Alex Gernert, et al.
- EX-1039 Jon D. Brady, Virtual Private Networking – The Flexible Approach, Institution of Electrical Engineers, 1997
- EX-1040 U.S. Patent No. 6,055,575 to Gaige B. Paulsen, et al.
- EX-1041 Complaint, Smart Mobile Technologies LLC v. Samsung Electronics Co. Ltd. et al., Case No. 6:21-cv-00701 (WDTX)
- EX-1042 Joint Agreed Scheduling Order, Smart Mobile Technologies LLC v. Samsung Electronics Co. Ltd. et al., Case No. 6:21-cv-00701 (WDTX)
- EX-1043 Complaint, Smart Mobile Technologies LLC v. Apple Inc., Case No. 6:21-cv-00603 (WDTX)
- EX-1044 Joint Agreed Scheduling Order, Smart Mobile Technologies LLC v. Apple Inc., Case No. 6:21-cv-00603 (WDTX)
- EX-1045 U.S. Patent No. 4,989,230 to Steven F. Gillig, et al.
- EX-1046 Amended Joint Agreed Scheduling Order, Smart Mobile Technologies LLC v. Samsung Electronics Co. Ltd. et al., Case No. 6:21-cv-00701 (WDTX)
- EX-1047 Amended Joint Agreed Scheduling Order, Smart Mobile Technologies LLC v. Apple Inc., Case No. 6:21-cv-00603 (WDTX)

- EX-1048 Excerpts from Constantine A. Balanis, Antenna Theory Analysis and Design, Harper & Row, 1982
- EX-1049 Declaration of Aamir A. Kazi in Support of Pro Hac Vice Admission
- EX-1050 Supplemental Declaration of Dr. Michael Allen Jensen in Petitioner's Motion To Submit Supplemental Information [Not Yet Filed – Pending Resolution of Motion]
- EX-1051 Second Declaration of Dr. Michael Allen Jensen
- EX-1052 U.S. Patent No. 6,169,789 to Sanjay K. Rao, et al. (“’789 patent”)
- EX-1053 Certified Copy of Deposition Transcript of Patent Owner's Expert, Dr. Todor V. Cooklev, July 24, 2023
- EX-1054 Certified Copy of Deposition Transcript of Patent Owner's Expert, Dr. Todor V. Cooklev, August 4, 2023, in Case IPR2022-01248 for U.S. Patent No. 8,842,653
- EX-1055 Institution Decision, Samsung Electronics Co., Ltd. et al v. Smart Mobile Technologies LLC PTAB-IPR2022-01248, Paper 13, January 24, 2023
- EX-1056 U.S. Patent No. 6,477,164 to Michael F. Vargo, et al.
- EX-1057 [RESERVED]
- EX-1058 RS-485, Wikipedia, available at [https://en.wikipedia.org/wiki/RS-485#:~:text=RS%2D485%20supports%20inexpensive%20local,1%2C200%20m%20\(4%2C000%20ft\)](https://en.wikipedia.org/wiki/RS-485#:~:text=RS%2D485%20supports%20inexpensive%20local,1%2C200%20m%20(4%2C000%20ft)), retrieved on August 31, 2023
- EX-1059 IEEE 802.11, Wikipedia, available at https://en.wikipedia.org/wiki/IEEE_802.11, retrieved on August 31, 2023
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