

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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

v.

SMART MOBILE TECHNOLOGIES LLC,  
Patent Owner.

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Case IPR2022-01249  
Patent 9,019,946 B1

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**PETITIONERS' AUTHORIZED FILING OF EXHIBIT**

### 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](https://en.wikipedia.org/wiki/IEEE_802.11), retrieved on August 31, 2023
- EX-1060 General Packet Radio Service, Wikipedia, available at [https://en.wikipedia.org/wiki/General\\_Packet\\_Radio\\_Service](https://en.wikipedia.org/wiki/General_Packet_Radio_Service), retrieved on August 31, 2023

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