

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

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

v.

SMART MOBILE TECHNOLOGIES LLC,
Patent Owner.

Case IPR2022-01004
Patent 9,614,943

PETITIONERS' AUTHORIZED FILING OF EXHIBIT

UPDATED EXHIBIT LIST

- EX-1001 U.S. Patent No. 9,614,943 to Sunil K Rao, et al. (“the ’943 patent”)
- EX-1002 Excerpts from the Prosecution History of the ’943 Patent (“the Prosecution History”)
- EX-1003 Declaration of Dr. Michael Allen Jensen
- EX-1004 [RESERVED]
- EX-1005 U.S. Patent No. 6,144,711 to Gregory G. Raleigh, et al. (“Raleigh”)
- EX-1006 U.S. Patent No. 5,784,032 to Ronald H. Johnston, et al. (“Johnston”)
- EX-1007 International Publication No. WO 98/27748 (“WO748”)
- EX-1008 European Patent Application 0 660 626 A2 to John Daniel Byrne (“Byrne”)
- EX-1009 U.S. Patent No. 5,594,737 to Klaus-Dieter Pillekamp (“Pillekamp”)
- EX-1010 U.S. Patent No. 5,590,133 to Lars Billström, et al. (“Billström”)
- EX-1011 P.W. Wolniansky, et al., V-BLAST: An Architecture for Realizing Very High Data Rates Over the Rich-Scattering Wireless Channel, published in 1998 URSI International Symposium on Signals, Systems, and Electronics. Conference Proceedings (Cat. No.98EX167) (October 1998) (“Wolniansky”)
- EX-1012 U.S. Patent No. 6,005,876 to Leonard Joseph Cimini, Jr., et al. (“Cimini”)
- EX-1013 [RESERVED]

- EX-1014 ETSI EN 301 344 V6.7.1, Digital cellular telecommunications system (Phase 2+); General Packet Radio Service (GPRS); Service description; Stage 2 (GSM 03.60 version 6.7.1 Release 1997)
- EX-1015 U.S. Patent No. 5,425,050 to William F. Schreiber, et al.
- EX-1016 U.S. Patent No. 5,726,978 to Carl Magnus Frodigh, et al.
- EX-1017 [RESERVED]
- EX-1018 J. J. Spicer, et al., Wireless office data communications using CT2 and DECT, IEE Colloquium on Personal Communications: Circuits, Systems and Technology, 1993, pp. 9/1-9/4.
- EX-1019 U.S. Patent No. 6,243,581 to Jastinder Jawanda
- EX-1020 Excerpts from Alan V. Oppenheim, et al., Signals and Systems, Prentice Hall, New Jersey, 1983
- 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 A. A. Abidi, Direct-conversion radio transceivers for digital communications, in IEEE Journal of Solid-State Circuits, vol. 30, no. 12, pp. 1399-1410, Dec. 1995
- EX-1025 Yonghong Gao, et al., Low-Power Implementation of a Fifth-Order Comb Decimation Filter for Multi-Standard Transceiver Applications, Electronic System Design Laboratory, Royal Institute of Technology, Nov. 1999

- EX-1026 Reza Karimi, et al., Wideband Digital Receivers for Multi-Standard Software Radios, Motorola GSM Products Division, Oct. 1997
- EX-1027 Dictionary Definitions of “communication port,” “I/O port,” and “port” (IBM Dictionary of Computing, McGraw-Hill, Inc., August 1993)
- EX-1028 Jon D. Brady, Virtual Private Networking – The Flexible Approach, Institution of Electrical Engineers, 1997
- EX-1029 Excerpts from Ziemer and Tranter, Principles of Communications: Systems, Modulation, and Noise, Fourth Edition, John Wiley & Sons, New York, 1995
- EX-1030 Dictionary Definition of “Nyquist Theorem” (Newton’s Telecom Dictionary, Flatiron Publishing, 1998)
- EX-1031 Complaint, *Smart Mobile Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, Case No. 6:21-cv-00701 (WDTX)
- EX-1032 Joint Agreed Scheduling Order, *Smart Mobile Technologies LLC v. Samsung Electronics Co. Ltd. et al.*, Case No. 6:21-cv-00701 (WDTX)
- EX-1033 Complaint, *Smart Mobile Technologies LLC v. Apple Inc.*, Case No. 6:21-cv-00603 (WDTX)
- EX-1034 Joint Agreed Scheduling Order, *Smart Mobile Technologies LLC v. Apple Inc.*, Case No. 6:21-cv-00603 (WDTX)
- EX-1035 U.S. Patent No. 6,175,737 to Chiiming Kao
- EX-1036 U.S. Patent No. 6,016,311 to Sheldon L. Gilbert et al.
- EX-1037 Excerpts from Douglas E. Comer, Internetworking with TCP/IP Volume One, Third Edition, 1995
- EX-1038 S. Segars, The ARM9 family-high performance microprocessors for embedded applications in Proceedings of

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- EX-1040 J.-P. van Deursen, et al., Switched antenna diversity within a DECT system, IEEE Second Symposium on Communications and Vehicular Technology in the Benelux, 1994, pp. 141-148
- EX-1041 P. E. Mogensen, et al., Practical considerations of using antenna diversity in DECT, Proceedings of IEEE Vehicular Technology Conference (VTC), 1994, pp. 1532-1536 vol.3
- EX-1042 U.S. Patent No. 5,819,041 to Murat I. Bilgic
- EX-1043 U.S. Patent No. 6,148,324 to Antonio Juan Ransom et. al.
- EX-1044 U.S. Patent No. 5,983,366 to Michael Roy King
- EX-1045 Kunle Olukotun, et al., The Case for a Single-Chip Multiprocessor, Computer Systems Laboratory Stanford University, 1996
- EX-1046 Basem A. Nayfeh, et al., Evaluation of Design Alternatives for a Multiprocessor Microprocessor, Computer Systems Laboratory Stanford University, 1996
- EX-1047 Declaration of Aamir A. Kazi in Support of Pro Hac Vice Admission
- EX-1048 Second Declaration of Dr. Michael Allen Jensen
- EX-1049 Certified Copy of Deposition Transcript of Patent Owner's Expert, Dr. Todor V. Cooklev, June 12, 2023
- EX-1050 Dan Fague, Othello™: A New Direct-Conversion Radio Chip Set Eliminates IF Stages, Analog Dialogue 33-10, 1999

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