

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MICROSOFT CORPORATION and AFFIRMED NETWORKS, INC.,
Petitioner,

v.

LEMKO CORPORATION,
Patent Owner.

Case IPR2023-00531
U.S. Patent No. 7,855,988

PATENT OWNER'S UPDATED EXHIBIT LIST

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Exhibit	Description
2001	Declaration of Todor Cooklev, Ph.D. in Support of Patent Owner's Preliminary Response
2002	Wikimedia Commons, "File: Lucent 5ESS GSM Mobile Switching Centre.jpg" (May 31, 2006) https://commons.wikimedia.org/wiki/File:Lucent_5ESS_GSM_Mobile_Switching_Centre.jpg (June 27, 2023)
2003	Wikipedia, "Mobile switching centre server" https://en.wikipedia.org/wiki/Mobile_switching_centre_server (June 27, 2023)
2004	Techopedia.com, "What is a Base Station Controller?" (Oct. 19, 2011) https://www.techopedia.com/definition/24191/base-station-controller-bsc
2005	Metin UZAR Blog Post, "Base Station Controller (BSC)" (Sept. 19, 2009) https://razunitem.wordpress.com/2009/09/19/base-station-controllerbsc/
2006	Image of Motorola BSC https://monsite.woopic.com/383/p/Telecommunications/img/684d91850fe954cc28a1cf8fce498804.jpg (June 28, 2023)
2007	Electronics-notes.com, "Cellular / Mobile Backhaul" https://www.electronics-notes.com/articles/connectivity/cellular-mobile-phone/mobile-communications-backhaul-link.php (June 28, 2023)
2008	Network Functions Virtualisation - Introductory White Paper (Oct. 2012) https://portal.etsi.org/NFV/NFV_White_Paper.pdf

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2009	Dyton, J., “Lemko solutions keep connectivity alive regardless of the circumstances” (July 16, 2020) https://connectedremag.com/das-in-building-wireless/wireless/lemko-solutions-keep-connectivity-alive-regardless-of-the-circumstances/
2010	Lemko.com, distributed Mobile Architecture™ (dMA™) Overview lemko.com/htm/distributed_mesh_architecture.htm (June 28, 2023)
2011	Lemko.com, Lemko's Fundamental Architecture https://www.lemkocorp.com/solutions/ (June 5, 2023)
2012	GPRS Architecture Presentation (Feb. 18, 1999) http://student.ing-steen.se/datacom/GPRS/architecture.pdf
2013	“What is the Home Location Register (HLR)?” (Feb. 5, 2023) https://www.cyberyodha.org/2023/02/what-is-home-location-register-hlr.html
2014	Silicon Press, Home Location Register (HLR) Technology Brief http://www.silicon-press.com/briefs/brief.hlr/brief.pdf
2015	Melrose Labs, HLR (Home Location Register) - Glossary (2023) https://melroslabs.com/glossary/hlr-home-location-register/
2016	O'Reilly Media, Inc., Packet Data Protocol (PDP) – Excerpt from The IMS: IP Multimedia Concepts and Services (2nd ed. 2006) https://www.oreilly.com/library/view/the-ims-ip/9780470019061/9780470019061_packet_data_protocol_open_parenthesis_pd.html (June 29, 2023)
2017	Microsoft.com, “Developing apps using multiple PDP contexts” (Dec. 14, 2021) https://learn.microsoft.com/en-us/windows-hardware/drivers/mobilebroadband/developing-apps-using-multiple-pdp-contexts
2018	Mpiracle.com Glossary, “PDP Context” https://www.mpirical.com/glossary/pdp-context (June 29, 2023)

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2019	Nandhakumar, B., "Dictionary of Computer Networking," Pages 199-200, 286 (1st ed. 2011)
2020	IBM Dictionary of Computing, Page 351 (10th ed. Aug. 1993)
2021	Declaration of Todor Cooklev, Ph.D.in Support of Patent Owner's Response
2022	"Overview of GSM, GPRS, and UMTS," (Dec. 31, 2002) https://docstore.mik.ua/univercd/cc/td/doc/product/wireless/moblwrls/cmxcmmg_sg/cmxcgsm.htm
2023	Sanders, G., et al, "GPRS Networks," John Wiley & Sons Ltd., 2003
2024	"The Evolution of Mobile Technologies: 1G, 2G, 3G, 4G LTE," Qualcomm, June 2014
2025	Lin, Yi-Bing, et al., "General Packet Radio Service (GPRS): architecture, interfaces, and deployment," John Wiley & Sons, Ltd., 2001
2026	Transcript for deposition of James Proctor, <i>Microsoft Corp. and Affirmed Networks, Inc. v. Lemko Corp.</i> , No. IPR2023-00529, taken on December 6, 2023
2027	Transcript for deposition of James Proctor, <i>Microsoft Corp. and Affirmed Networks, Inc. v. Lemko Corp.</i> , No. IPR2023-00531, taken on December 7, 2023
2028	"ETSI TS 123 401, V10.13.0 (2015-01)," European Telecommunications Standards Institute, 2015
2029	"3GPP TS 29.060 V8.1.0 (2007-09)," 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TTA, TTC), 2007
2030	Excerpts from Tanenbaum, Andrew S. et al., Computer Networks (5th ed. 2011)

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Exhibit	Description
2031	Patent Owner's Demonstratives

Respectfully submitted,

Dated: July 10, 2024

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CERTIFICATE OF SERVICE

The undersigned certifies, in accordance with 37 C.F.R. § 42.6(e), and pursuant to agreement by the parties that filing with the Board through the Patent Trial and Appeal Case Tracking System (P-TACTS) constitutes electronic service, that service was made on the Petitioners as detailed below.

<i>Date of service</i>	July 10, 2024
<i>Manner of service</i>	Electronic Filing (rkang@winston.com; bshelton@winston.com mrueckheim@winston.com Winston-MSFT-Lemko-IPR@winston.com)
<i>Documents served</i>	PATENT OWNER'S UPDATED EXHIBIT LIST
<i>Persons Served</i>	WINSTON & STRAWN LLP Robert N. Kang Barry K. Shelton Michael Rueckheim

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