UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,

Petitioner

v.

CARBYNE BIOMETRICS, LLC,

Patent Owner

IPR2024-00330
U.S. Patent No. 10,713,656

PETITIONER'S UPDATED EXHIBIT LIST

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April 29, 2024

APPL-1001	U.S. Patent No. 10,713,656 to Jakobsson ("'656 patent")
APPL-1002	Prosecution File History of U.S. App. No. 15/948744 (issued as '656 patent) ("'744 App")
APPL-1003	Declaration of Dr. Creed Jones ("Jones Decl.")
APPL-1004	CV of Dr. Creed Jones
APPL-1005	Prosecution File History of U.S. Prov. App. 61/332,140 ("'140 App")
APPL-1006	Prosecution File History of U.S. App. No. 13/099,981 (issued as U.S. Patent No. 8,458,041) ("'981 App")
APPL-1007	Prosecution File History of U.S. App. No. 13/875,245 (issued as U.S. Patent No. 9,972,010) ("'245 App")
APPL-1008	U.S. Pub. No. 2010/0042535 to Stone ("Stone")
APPL-1009	U.S. Patent No. 8,386,620 to Chatterjee ("Chatterjee")
APPL-1010	U.S. Pub. No. 2006/0282660 to Varghese et al. ("Varghese")
APPL-1011	U.S. Pub. No. 2009/0135188 to Ding et al. ("Ding")
APPL-1012	U.S. Patent No. 8,355,530 to Park et al. ("Park")
APPL-1013	U.S. Pub. No. 2010/0014720 to Hoyos et al. ("Hoyos")
APPL-1014	U.S. Pub. No. 2006/0158307 to Lee et al. ("Lee")
APPL-1015	U.S. Patent No. 8,150,772 to Mardikar et al. ("Mardikar")
APPL-1016	U.S. Pub. No. 2009/0157560 to Carter et al. ("Carter")
APPL-1017	U.S. Patent No. 5,164,992 to Turk et al. ("Turk")
APPL-1018	U.S. Patent No. 7,814,332 to Beenau et al. ("Beenau")
APPL-1019	U.S. Patent No. 10,373,173 to Winner et al. ("Winner")
APPL-1020	U.S. Patent No. 7,856,472 to Arav ("Arav")
APPL-1021	Heusch, et al., "Local Binary Patterns as an Image Preprocessing for Face Authentication," IDIAP Research Institute Report, November 2005 ("Heusch")

APPL-1022	Oracle-Bharosa Acquisition Announcement, 2007, https://www.oracle.com/us/corporate/acquisitions/bharosa/oracle-bharosa-faq-072369.pdf (retrieved January 17, 2024) ("Oracle-Bharosa Acquisition Announcement")
APPL-1023	U.S. Patent No. 7,779,268 to Draper et al. ("Draper")
APPL-1024	U.S. Patent No. 5,930,804 to Yu et al. ("Yu")
APPL-1025	Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation (June 21, 2022) ("Director Memo")
APPL-1026	Preliminary Constructions, *Carbyne Biometrics, LLC v. Apple Inc.*, WDTX-1:23-cv-00324 (December 11, 2023)
APPL-1027	United States District Courts—National Judicial Caseload Profile (September 30, 2023), https://www.uscourts.gov/statistics/table/na/federal-court-management-statistics/2023/09/30 (retrieved Dec. 14, 2023)
APPL-1028	Scheduling Order, *Carbyne Biometrics, LLC v. Apple Inc.*, WDTX-1:23-cv-00324 (July 14, 2023)
APPL-1029	Carbyne Preliminary Infringement Contentions, *Carbyne Biometrics, LLC v. Apple Inc.*, WDTX-1:23-cv-00324 (June 21, 2023)
APPL-1030 - APPL-1032	RESERVED
APPL-1033	J. P. Campbell, "Speaker Recognition: a Tutorial," in Proceedings of the IEEE, vol. 85, no. 9, pp. 1437-1462, Sept. 1997 ("Campbell")
APPL-1034	U.S. App. Pub. No. 2009/0288012A1 to Hertel et al. ("Hertel")
APPL-1035	U.S. Patent No. 8,533,485 to Bansal et al. ("Bansal")
APPL-1036	U.S. App. Pub. No. 2006/0271460A1 to Hanif ("Hanif")
APPL-1037	Federal Financial Institutions Examination Council, FFIEC Press Release and FFIEC Guidance - Authentication in an Internet Banking Environment, Oct 12, 2005, https://www.ffiec.gov/pdf/authentication_guidance.pdf (retrieved January 17, 2024), accessible through hyperlinks in https://www.ffiec.gov/press/pr101205.htm (APPL-1040) and

	https://www.fdic.gov/news/inactive-financial-institution-letters/2005/fil10305.html (APPL-1039) ("Guidance")
APPL-1038	Bhargav-Spantzel et al., "Privacy Preserving Multifactor Authentication with Biometrics," DIM'06, November 3, 2006 ("Bhargav-Spantzel")
APPL-1039	FDIC Financial Institution Letter, FFIEC Guidance Authentication in an Internet Banking Environment, FIL-103-2005, October 12, 2005, https://www.fdic.gov/news/inactive-financial-institution-letters/2005/fil10305.html (retrieved January 17, 2024), including hyperlink for APPL-1037 ("FIL-103-2005")
APPL-1040	Federal Financial Institutions Examination Council, FFIEC Guidance Press Release, Oct 12, 2005, https://www.ffiec.gov/press/pr101205.htm (retrieved January 17, 2024), including hyperlink for APPL-1037 ("FFIEC Guidance Press Release")
APPL-1041	U.S. App. Pub. No. 2010/0317335A1 to Borovsky ("Borovsky")
APPL-1042	Ekler et al., "Similarity Management in Phonebook-Centric Social Networks," 2009 Fourth International Conference on Internet and Web Applications and Services, Venice/Mestre, Italy, 2009, pp. 273-279, doi: 10.1109/ICIW.2009.46 ("Ekler")
APPL-1043	U.S. Patent No. 8,954,500 to Marlow et al. ("Marlow")
APPL-1044	Kollreider et al., "Verifying liveness by multiple experts in face biometrics," 2008 IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops, Anchorage, AK, USA, 2008, pp. 1-6, doi: 10.1109/CVPRW.2008.4563115 ("Kollreider")
APPL-1045	Narayanan et al., "De-anonymizing Social Networks," 2009 30th IEEE Symposium on Security and Privacy, 2009 ("Narayanan")
APPL-1046	U.S. App. Pub. No. US2008/0270038A1 to Partovi et al. ("Partovi")
APPL-1047	Vasalou et al., "Avatars in Social Media: Balancing Accuracy, Playfulness and Embodied Messages," International Journal of Human-Computer Studies Volume 66, Issue 11, November 2008, Pages 801-811 ("Vasalou")

APPL-1048 (NEW)	**Sotera Stipulation dated April 17, 2024**

Respectfully submitted,

Dated: April 29, 2024
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CERTIFICATE OF SERVICE

The undersigned certifies that, in accordance with 37 C.F.R. § 42.6(e), service was made on Patent Owner as detailed below.

Date of service April 29, 2024

Manner of service Electronic Mail: Rkamprath@mckoolsmith.com; gfishback@mckoolsmith.com; Carbyne_Apple@mckoolsmith.com

Documents served **Petitioner's Updated Exhibit List & Exhibit APPL-1048**

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