

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GOOGLE LLC,
Petitioner,

v.

BUFFALO PATENTS, LLC,
Patent Owner.

Case No. IPR2023-01386
U.S. Patent No. 6,904,405

PETITIONER'S UPDATED EXHIBIT LIST

Further to 37 C.F.R. § 42.63(e), Petitioner hereby submits a current listing of its exhibits. Exhibits 1030-1031 were filed on P-TACTS and served via email to counsel of record for the Patent Owner.

Exhibit	Description
Ex1001	U.S. Patent No. 6,904,405 to Suominen (“the ’405 patent”)
Ex1002	Prosecution History of U.S. Patent No. 6,904,405
Ex1003	Curriculum Vitae of Christopher Schmandt
Ex1004	Declaration of Christopher Schmandt (“Decl.”)
Ex1005	A. Waibel et al., “Multimodal Interfaces for Multimedia Information Agents,” IEEE (1997) (“ <i>Waibel</i> ”)
Ex1006	WO 92/05517 to Roth (“ <i>Roth</i> ”)
Ex1007	U.S. Patent No. 5,027,406 to Roberts et al. (“ <i>Roberts</i> ”)
Ex1008	B. Suhm et al., “JANUS: Towards Multilingual Spoken Language Translation,” Proc. ARPA SLT Workshop 95 (Austin, Texas) (“ <i>Suhm</i> ”)
Ex1009	Vo et al., “Building and Application Framework for Speech and Pen Input Integration in Multimodal Learning Interfaces,” Proc. ICASSP ’96 (Atlanta, GA) (“ <i>Vo</i> ”)
Ex1010	S. Manke et al., “The Use of Dynamic Writing Information in a Connectionist On-Line Cursive Handwriting Recognition System,” <i>Advances in Neural Information Processing Systems</i> 6, Morgan Kaufmann, 1994 (“ <i>Manke</i> ”)
Ex1011	EP 0622724 to Verrier (“ <i>Verrier</i> ”)
Ex1012	Rabiner, “A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition,” Proceedings of the IEEE, Vol. 77, No. 2, Feb. 1989 (“ <i>Rabiner</i> ”)

Exhibit	Description
Ex1013	Klevans et al., “Voice Recognition,” Artech House 1997, pp. 38-45 (“ <i>Klevans</i> ”)
Ex1014	Jelinek, “Statistical Methods for Speech Recognition,” Copyright 1997 Massachusetts Institute of Technology, Third Printing 2001, chapter 3 “The Acoustic Model,” pp. 39-54 (“ <i>Jelinek</i> ”)
Ex1015	Rabiner and Juang, “Fundamentals of Speech Recognition,” Chapter 6, pp. 321-386, Prentice Hall PTR, 1993 (“ <i>Rabiner & Juang</i> ”)
Ex1016	Bellegarda et al. “A Fast Statistical Mixture Algorithm for On-Line Handwriting Recognition,” IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 16, No. 12, 1994, 1227-1233
Ex1017	U.S. Patent No. 5,459,798 to Bailey et al. (“ <i>Bailey</i> ”)
Ex1018	U.S. Patent No. 5,855,000 to Waibel et al. (“’000 Patent”)
Ex1019	Declaration of Shauna Wiest Regarding <i>Waibel</i> and Appendices A-C
Ex1020	Declaration of Shauna Wiest Regarding <i>Suhm</i> and Appendices A-C
Ex1021	Declaration of Shauna Wiest Regarding <i>Vo</i> and Appendices A-G
Ex1022	Declaration of Shauna Wiest Regarding <i>Manke</i> and Appendices A-C
Ex1023	Starner et al. “On-Line Cursive Handwriting Recognition Using Speech Recognition Methods” Proceedings of ICASSP ’94. IEEE International Conference on Acoustics, Speech and Signal Processing, 1994 (“ <i>Starner</i> ”)
Ex1024	Order Granting Motorola Mobility’s Motion to Stay in <i>Buffalo Patents, LLC v. Motorola Mobility LLC</i> , Case 1:22-cv-04540, Dkt. 30 (Dec. 13, 2022).
Ex1025	LegalMetric Time to Trial Report Northern District of Illinois, Patent Cases, January 2013 to April 2023.
Ex1026	Bellegarda, et al., “A Novel Word Clustering Algorithm Based on Latent Semantic Analysis,” IEEE, 1996 (“ <i>Bellegarda</i> ”)

Exhibit	Description
Ex1027	Declaration of Shauna Wiest Regarding <i>Bellegarda</i>
Ex1028	Proof of Service in <i>Buffalo Patents, LLC v. Motorola Mobility LLC</i> , Case 1:22-cv-04540, Dkt. 18 (Sept. 13, 2022)
Ex1029	Moran et al., “Multimodal User Interfaces in the Open Agent Architecture,” Knowledge-Based Systems Vol. 10 295-303, 1998 (“ <i>Moran</i> ”)
Ex1030	Correspondence with the Board
Ex1031	Patent Owner’s Statutory Disclaimer of U.S. Patent No. 6,904,405, filed May 30, 2024

Dated: August 23, 2024

By: /Erika H. Arner/
Erika H. Arner, Lead Counsel
Reg. No. 57,540

Counsel for Petitioner Google LLC

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a copy of the foregoing **Petitioner's Updated Exhibit List and Exhibits 1030-1031** were served on August 23, 2024, via email directed to counsel of record for the Patent Owner at the following:

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By: /Lisa C. Hines/

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