

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

KRISP TECHNOLOGIES, INC.,
Petitioner

v.

Sanas.ai Inc.,
Patent Owner

Inter Partes Review Case No. IPR2026-00275
U.S. Patent No. 11,715,457

PETITION'S UPDATED EXHIBIT LIST

APPENDIX OF EXHIBITS

Exhibit 1001	U.S. Patent No. 11,715,457 (“’457 Patent”)
Exhibit 1002	Prosecution History of U.S. Patent No. 11,715,457 (“’457 FH”)
Exhibit 1003	Declaration of Chris Schmandt
Exhibit 1004	U.S. Patent Application Publication No. 2020/0193971 to Feinauer et al. (“ <i>Feinauer</i> ”)
Exhibit 1005	U.S. Patent No. 12,106,749 to Prabhavalkar et al. (“ <i>Prabhavalkar</i> ”)
Exhibit 1006	U.S. Patent Application Publication No. 2023/0223006 to Fan et al. (“ <i>Fan</i> ”)
Exhibit 1007	U.S. Patent Application Publication No. 2019/0325861 to Singh et al. (“ <i>Singh</i> ”)
Exhibit 1008	<i>Accentron: Foreign Accent Conversion to Arbitrary Non-Native Speakers Using Zero-Shot Learning</i> to Zhao et al. (“ <i>Accentron</i> ”)
Exhibit 1009	U.S. Patent No. 11,164,592 to Wu et al. (“ <i>Wu</i> ”)
Exhibit 1010	U.S. Patent Application Publication No. 2008/0219459 to Bongiovi et al. (“ <i>Bongiovi</i> ”)
Exhibit 1011	G. Zhao et. al, “Using Phonetic Posteriorgram Based Frame Pairing for Segmental Accent Conversion” to Zhao et al, IEEE, October 2019 (“ <i>Osuna</i> ”).
Exhibit 1012	Improving the Speaker Identity of Non-Parallel Many-to-Many Voice Conversion with Adversarial Speaker Recognition to Ding et al. (“ <i>Ding</i> ”)
Exhibit 1013	Priority Chinese Patent Publication No. 202010996501 to Fan et al. and Certified English Translation
Exhibit 1014	Excerpts of the Prosecution History for the U.S. Patent Application Publication No. 2023/0223006 to Fan et al. (“ <i>FanHistory</i> ”)
Exhibit 1015	Priority PCT 2022/057759 to Fan et al. and Certified English Translation
Exhibit 1016	Munford Librarian Declaration
Exhibit 1017	U.S. Patent No. 11,138,334 to Garrod et al. (“ <i>Garrod</i> ”)
Exhibit 1018	U.S. Patent Application Publication No. 2013/0246064 to Wasserblat et al. (“ <i>Wasserblat</i> ”)
Exhibit 1019	U.S. Patent Application Publication No. 2021/0272571 to Balasubramaniam et al. (“ <i>Balasubramaniam</i> ”)
Exhibit 1020	U.S. Patent Application Publication No. 2020/0294492 to Sypniewski et al. (“ <i>Sypniewski</i> ”)
Exhibit 1021	C. Schmandt, Voice Communication with Computers, Van Nostrand Reinhold, 1994 (“ <i>Schmandt</i> ”)

Exhibit 1022	C. O’Callaghan, Pitch, (https://web.archive.org/web/20150930164248/http://caseyocallaghan.com/research/papers/Pitch.pdf) September 30, 2015 (“ <i>O’Callaghan</i> ”)
Exhibit 1023	B. Sisman et al., Group Sparse Representation with WaveNet Vocoder Adaptation for Spectrum and Prosody Conversion, IEEE/ACM Transactions on Audio, Speech, and Language Processing, vol. 27, no. 6, June 2019, 1085-1097 (“ <i>Sisman</i> ”)
Exhibit 1024	J. Holmes, Speech Synthesis and Recognition, Second Edition, ISBN 0-7484-0856-8 (hc.)—ISBN 0-7484-0857-6 (pbk.), Taylor & Francis e-Library, 2003 (“ <i>Holmes</i> ”)
Exhibit 1025	H. Fletcher, Loudness, Its Definition, Measurement and Calculation, Bell Telephone Laboratories, October 1933 (“ <i>Fletcher</i> ”)
Exhibit 1026	S. Ding, Personal VAD: Speaker-Conditioned Voice Activity Detection, arXiv, April 8, 2020 (“ <i>Chang</i> ”)
Exhibit 1027	C. Wiltshire, Chapter 13 English Sounds in Context: The Pronunciation of Phonemes and Morphemes, in Applied Linguistics for Teachers of Culturally and Linguistically Diverse Learners, 303-324, 2019 (“ <i>Wiltshire</i> ”)
Exhibit 1028	N. Kazanina, et al., Phonemes: Lexical access and beyond, Psychon Bull Rev 25, 560–585, September 5, 2017 (“ <i>Kazanina</i> ”)
Exhibit 1029	D. Jurafsky et al., Speech and Language Processing, Chapter 27, October 16, 2019, (“ <i>Jurafsky</i> ”)
Exhibit 1030	L. Sun, Phonetic Posteriorgrams For Many-To-One Voice Conversion Without Parallel Data Training, IEEE on Multimedia and Expo, August 29, 2016, (“ <i>Sun</i> ”)
Exhibit 1031	X. Li, Deep Segmental Phonetic Posterior-grams Based Discovery of non-Categories in L2 English Speech, arXiv, February 1, 2020. (“ <i>Li</i> ”)
Exhibit 1032	U.S. Patent Application Publication No. 2022/0122579 to Biadsky et al. (“ <i>Biadsky</i> ”)
Exhibit 1033	U.S. Patent Publication No. 2018/0174595 to Dirac et al. (“ <i>Dirac</i> ”)
Exhibit 1034	L. Roberts, Understanding the Mel Spectrogram, (https://medium.com/analytics-vidhya/understanding-the-mel-spectrogram-fca2afa2ce53), March 5, 2020 (“ <i>Roberts</i> ”)
Exhibit 1035	N. Umeda, <i>Consonant duration in American English</i> , The Journal of the Acoustical Society of America, March 1, 1977 (“ <i>Umeda</i> ”)
Exhibit 1036	J. Shen, Natural TTS Synthesis By Conditioning Wavenet on Mel Spectrogram Predications, arXiv, February 16, 2018 (“ <i>Shen</i> ”)

Exhibit 1037	U.S. Patent Appl. No. 2022/0246132 to Zhang et al. (“ <i>Zhang</i> ”)
Exhibit 1038	Y. Wang, Tacotron: Towards End-to End Speech Synthesis, arXiv, April 6, 2017 (“ <i>Wang</i> ”)
Exhibit 1039	U.S. Patent Appl. No 2020/0134425 to Yoo et al. (“ <i>Yoo</i> ”)
Exhibit 1040	A. Tripathi et al, Adversarial Learning of Raw Speech Features for Domain Invariant Speech Recognition, arXiv, May 21, 2018 (“ <i>Tripathi</i> ”)
Exhibit 1041	U.S. Patent No. 11,632,456 to Mevorah et al. (“ <i>Mevorah</i> ”)
Exhibit 1042	WO Publ. No. 2021/207131 to Jin et al. (“ <i>Jin</i> ”)
Exhibit 1043	U.S. Patent No. 11,132,997 to Pereira et al. (“ <i>Pereira</i> ”)
Exhibit 1044	U.S. Patent Appl. No. 2013/0282373 to Visser et al. (“ <i>Visser</i> ”)
Exhibit 1045	G. Zhao et. al, <i>Converting Foreign Accent Speech Without a Reference</i> , IEEE/ACM Transactions On Audio, Speech, and Language Processing, Vol. 29, 2021, 2367-2381 (“ <i>Zhao</i> ”)
Exhibit 1046	Mina Ching Internet Archive Declaration
Exhibit 1047	Petitioner’s Stipulation

Dated: April 24, 2026

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CERTIFICATE OF SERVICE ON PATENT OWNER
UNDER 37 C.F.R. § 42.105

Pursuant to 37 C.F.R. § 42.6(e), the undersigned certifies that on April 24, 2026, the foregoing *Petitioner's Updated Exhibit List with Exhibit* was served via electronic filing with the Board and via Electronic Mail on Patent Owner:

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