IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

TVISION INSIGHTS, INC.,

Petitioner,

v.

THE NIELSEN COMPANY (US), LLC,

Patent Owner.

IPR2023-01014
U.S. Patent No. 11,470,243

PETITIONER'S UPDATED EXHIBIT LIST

EXHIBIT LIST

No.	Description
1001	U.S. Patent No. 11,470,243("the '243 Patent")
1002	Prosecution History for the '243 Patent
1003	Declaration of Dr. David Scott Doermann
1004	U.S. Patent Application Publication No. 2002/0059577 ("Lu-577")
1005	Ying-li Tian, *Evaluation of Face Resolution for Expression Analysis*, 2004 Conference on Computer Vision and Pattern Recognition Workshop, Washington, DC, USA, 2004, pp. 82-82, doi: 10.1109/CVPR.2004.334 ("Tian")
1006	U.S. Patent Application Publication No. 2010/0274372 ("Nielsen-372")
1007	U.S. Patent Application Publication No. 2010/0066822 ("Steinberg")
1008	U.S. Patent No. 4,858,000("Lu-000")
1009	U.S. Patent No. 4,677,466 ("Lert")
1010	U.S. Patent Application Publication No. 2011/0081052
1011	Brent Merritt, A Brief History of Media Measurement, Media, available at https://medium.com/@brentmerritt/a-brief-history-of-media-measurement-f1f28aa807ce
1012	U.S. Patent Application Publication No. 2011/0265110
1013	Bernhard Fröba and Christian Küblbeck, *Robust Face Detection At Video Frame Rate Base on Edge Orientation Features*, International Conference on Audio- and Video-Based Biometric Person Authentication (2001)
1014	U.S. Patent No. 7,315,631
1015	European Patent Application No. 0932114
1016	Erik Larson, *Watching American Watch TV*, The Atlantic Monthly (1992)
1017	U.S. Patent No. 6,173,074
1018	U.S. Patent No. 7,359,889

No.	Description
1019	Cha Zhang and Zhengyou Zhang, *A Survey of Recent Advances in Face Detection*, MSR-TR-2010-66, available at https://www.microsoft.com/en-us/research/publication/a-survey-of-recent-advances-in-face-detection/
1020	E. Murphy-Chutorian and M. M. Trivedi, *Head Pose Estimation in Computer Vision: A Survey*, in IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 31, no. 4, pp. 607-626, April 2009, doi: 10.1109/TPAMI.2008.106
1021	W. Zhao, R. Chellappa, P. J. Phillips, and A. Rosenfeld, *Face recognition: A literature survey*, ACM Comput. Surv. 35, 4 (December 2003), 399–458
1022	G. Shakhnarovich, L. Lee and T. Darrell, *Integrated face and gait recognition from multiple views*, Proceedings of the 2001 IEEE Computer Society Conference on Computer Vision and Pattern Recognition. CVPR 2001, Kauai, HI, USA, 2001, pp. I-I, doi: 10.1109/CVPR.2001.990508
1023	Qaim Rizvi, *A Review on Face Detection Methods*, Journal of Management Development and Information Technology (2011)
1024	Duane M. Blackburn, Mike Bone, P. Jonathon Phillips, *Facial Recognition Vendor Test 2000*, Evaluation Report
1025	Vidit Jain and Erik Learned-Miller, *FDDB: A Benchmark for Face Detection in Unconstrained Settings* (2010)
1026	Avery Wang, *The Shazam Music Recognition Service*, Commun. ACM 49 (2006)
1027	J. Wang, C. Zhang, and H. Shum, *Face Image Resolution versus Face Recognition Performance Based on Two Global Methods* (2004)
1028	Declaration of Gordon MacPherson for Tian
1029	Scheduling Order, *The Nielsen Company (US), LLC v. TVision Insights, Inc.*, Case No. 1:22-cv-01345, Dkt. 17 (D. Del. Jan. 24, 2023)
1030	Stipulation and Proposed Order to Extend Time, *The Nielsen Company (US), LLC v. TVision Insights, Inc.*, Case No. 1:22-cv-01345, Dkt. 69 (D. Del. Oct. 17, 2023)

No.	Description
1031	Takeo Kanade, Jeffrey F. Cohn, & Yingli Tian, *Comprehensive Database for Facial Expression Analysis*, Proceedings of the Fourth IEEE International Conference on Automatic Face and Gesture Recognition, Grenoble, France, 2000, pp. 46-53.
1032	U.S. Patent Application Publication No. 2012/0159996 ("Sutton")
1033	Deposition Transcript of Dr. Eli Saber
1034	Reply Declaration of Dr. David Scott Doermann

Date: July 24, 2024

Respectfully submitted,

SHEPPARD, MULLIN,
RICHTER & HAMPTON LLP

/*Harper Batts*/
Harper Batts (Reg. No. 56,160)
Attorney for Petitioner

CERTIFICATE OF SERVICE

The undersigned hereby certifies that on July 24, 2024, true and correct copies of the Petitioner's Updated Exhibit List and Exhibits 1031-1034 were served via email to all parties to this proceeding at the addresses indicated:

Jennifer C. Bailey
jennifer.bailey@eriseip.com
Robin A. Snader
robin.snader@eriseip.com

Megan J. Redmond
megan.redmond@eriseip.com
PTAB@eriseip.com

Date: July 24, 2024

SHEPPARD, MULLIN,
RICHTER & HAMPTON LLP

/Harper Batts/
Harper Batts (Reg. No. 56,160)
Attorney for Petitioner