

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

META PLATFORMS, INC.; INSTAGRAM, INC.; WHATSAPP LLC; META
PLATFORMS TECHNOLOGIES, LLC; AND GIPHY, INC.,
Petitioners

v.

VL COLLECTIVE IP LLC,
Patent Owner.

U.S. Patent No. 7,436,980

IPR2023-00924

PETITIONERS' UPDATED EXHIBIT LIST

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1003	Provisional Application No. 60/574,799
1004	Declaration of Dr. Chandrajit Bajaj
1005	Curriculum Vitae of Dr. Chandrajit Bajaj
1006	Liang Zhao, Dressed Human Modeling, Detection, and Parts Localization, The Robotics Institute, Carnegie Mellon University (2001) ("Zhao")
1007	U.S. Patent No. 6,301,370 ("Steffens")
1008	U.S. Patent No. 7,200,266 ("Ozer")
1009	Leonid Sigal, Sidharth Bhatia, Stefan Roth, Michael J. Black & Michael Isard, <i>Tracking Loose-limbed People</i> , IEEE Computer Society Conference on Computer Vision and Pattern Recognition (2004) ("TLP")
1010	Program Documents for the 2004 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (2004), http://tab.computer.org/pamitc/archive/cvpr2004/index.html
1011	Adam Baumberg & David Hogg, <i>Generating Spatiotemporal Models from Examples</i> , School of Computer Studies, University of Leeds, http://www.bmva.org/bmvc/1995/bmvc-95-040.pdf ("Baumberg")
1012	Erik B. Sudderth, Alexander T. Ihler, William T. Freeman & Alan S. Willsky, <i>Non-parametric Belief Propagation</i> , IEEE Conference on Computer Vision and Pattern Recognition, (June 2003), https://www.ics.uci.edu/~ihler/papers/tr2551.pdf)
1013	Declaration of Jessica Benner regarding "Zhao", Carnegie Mellon University (April 4, 2023)

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1014	Declaration of Carl Megeski regarding “Zhao,” ProQuest (March 2, 2023)
1015	Leonid Sigal, Michael Isard, Benjamin H. Sigelman & Michael J. Black, <i>Attractive people: Assembling loose-limbed models using non-parametric belief propagation</i> , Advances in Neural Information Processing Systems 16, NIPS 1539–46 (MIT Press 2003)
1016	Hedvig Sidenbladh, Michael J. Black & David Fleet, <i>Stochastic tracking of 3D human figures using 2D image motion</i> , European Conference on Computer Vision, 702–18, LNCS 1843 (Springer-Verlag 2000)
1017	Noel A. C. Cressie, <i>Statistics for Spatial Data</i> , Chapters 1, 9, John Wiley and Sons (1993)
1018	Yaakov Bar-Shalom, X. Rong Li & Thiagalingam Kirubarajan, <i>Estimation with Applications to Tracking and Navigation: Theory, Algorithms and Software</i> , Chapters 1–2, 11, John Wiley and Sons (2001)
1019	M. Isard, <i>PAMPAS: Real-valued graphical models for computer vision</i> , CVPR, vol. 1, at 613–20 (2003)
1020	D. L. Alspach & H. W. Sorenson. <i>Nonlinear Bayesian estimation using Gaussian sum approximations</i> , IEEE Trans. AC, 17(4): at 439–48 (August 1972)
1021	James M. Coughlan & Sabino J. Ferreira, <i>Finding deformable shapes using loopy belief propagation</i> , ECCV 453–68 (2002)
1022	F. De la Torre & M. J. Black., <i>Robust parameterized component analysis: Theory and applications to 2D facial modeling</i> , ECCV 653–69 (2002)
1023	S. L. Lauritzen, <i>Graphical Models</i> , Chapters 1, 3, Oxford University Press, Oxford (1996)

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1024	A. Doucet, N. de Freitas, & N. Gordon, editors. <i>Sequential Monte Carlo Methods in Practice</i> , Chapters 5, 16, Springer-Verlag, New York (2001)
1025	Vladimir Pavlovic, James M. Rehg, Tat-Jen Cham & Kevin Murphy, <i>A dynamic Bayesian network approach to figure tracking using learned dynamic models</i> , Int'l. Conf. on Computer Vision at 94–101 (1999)
1026	Y. Wu, G. Hua & T. Yu, <i>Tracking articulated body by dynamic Markov network</i> , Int'l. Conf. on Computer Vision at 1094–101 (2003)
1027	Christopher Bregler & Jitendra Malik, <i>Tracking people with twists and exponential maps</i> , CVPR, at 8–15 (1998)
1028	J. Deutscher, A. Davison & I. Reid, <i>Automatic partitioning of high dimensional search spaces associated with articulated body motion capture</i> , IEEE Computer Society Conference on Computer Vision and Pattern Recognition, at 669–76 (2001)
1029	Cristian Sminchisescu & Bill Triggs, <i>Covariance scaled sampling for monocular 3D body tracking</i> , IEEE Computer Society Conference on Computer Vision and Pattern Recognition, vol. 1, at 447–54 (2001)
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1031	Yacov Hel-Or & Michael Werman, <i>Constraint Fusion for Recognition and Localization of Articulated Objects</i> , International Journal of Computer Vision 19(1), at 5–28 (1996)
1032	Y. Weiss & W. T. Freeman, <i>Correctness of belief propagation in Gaussian graphical models of arbitrary topology</i> , Neural Comp., 13:2173–2200 (2001)

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1034	M. Burl, M. Weber & P. Perona, <i>A probabilistic approach to object recognition using local photometry and global geometry</i> , European Conference on Computer Vision at 628–41 (1998)
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1038	D. L. Alspach, <i>Gaussian Sum Approximations in Nonlinear Filtering and Control</i> , Information Sciences 7,271–290 (1974)
1039	A. R. Tilley, <i>The Measure of Man and Woman: Human Factors in Design</i> H.D. Associates (1993)
1040	Paul Viola & Michael Jones, <i>Rapid Object Detection using a Boosted Cascade of Simple Features</i> , Conference on Computer Vision and Pattern Recognition (2001)
1041	Hedvig Sidenbladh & Michael J. Black, <i>Learning Statistics Learning the Statistics of People in Images and Video</i> , International Journal of Computer Vision 54 (1/2/3), at 183–209 (2003)
1042	Jonathan S. Yedidia, William T. Freeman & Yair Weiss, <i>Generalized Belief Propagation</i> , Advances in Neural Info. Proc. Sys. 13, at 689–95 (2000)

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1048	<i>CVPR Technical Program: Call for Papers</i> , IEEE Computer Society Conference on Computer Vision and Pattern Recognition, Washington, DC, June 27 – July 2, 2004
1049	ResearchGate Web Page for TLP
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1051	Deposition Transcript of Eli Saber, Ph.D. (May 30, 2024)
1052	Supplemental Declaration of Dr. Chandrajit Bajaj
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