UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

AXON ENTERPRISE, INC., DEDRONE HOLDINGS, INC., AND SKYDIO, INC.
Petitioners

v.

AIRSPACE DEFENSE, INC.
Patent Owner

Case No. IPR2025-00629
Patent 10,514,711

PETITIONERS' UPDATED EXHIBIT LIST

LIST OF EXHIBITS

Ex. No.[1]	Description
1001	U.S. Patent No. 10,514,711 to Bar-Nahum *et al.*, "Flight Control Using Computer Vision" (the "'711 Patent")
1002	File History for U.S. Patent No. 10,514,711
1003	Declaration of Dr. William Singhose
1004	Complaint for Patent Infringement, *Airspace Systems, Inc. v. Dedrone Holdings, Inc.*, Case No. 1-24-cv-01625 (E.D. VA), September 13, 2024
1005	U.S. Patent Application Publication No. 2017/0160751 to Pierce *et al.*, "System and Method for Controlling Drone Movement for Object Tracking Using Estimated Relative Distances and Drone Sensor Inputs" ("Pierce") filed December 5, 2016, published June 8, 2017
1006	U.S. Provisional Application No. 62/263,510 to Pierce *et al.*, "System and Method for Controlling Drone Movement for Object Tracking Using Estimated Relative Distances and Drone Sensor Inputs" ("Pierce Provisional"), filed December 4, 2015
1007	U.S. Patent Application Publication No. 2017/0161911 to Kumar *et al.*, "System and Method for Improved Distance Estimation of Detected Objects" ("Kumar") filed December 5, 2016, published June 8, 2017
1008	U.S. Provisional Application No. 62/263,496 to Kumar *et al.*, "System and Method for Improved Distance Estimation of Detected Objects" ("Kumar Provisional"), filed December 4, 2015
1009	U.S. Patent No. 9,769,387 to Beard *et al.*, "Action Camera System for Unmanned Aerial Vehicle" ("Beard") filed November 5, 2014, published September 19, 2017

[1] Citations to patents are made by column and line cite; citations to patent publications are made by paragraph number; citations to Exhibit 1002 are made with reference to the Bates-stamped pagination; citations to other exhibits are made to the page number of the document itself. Citations to EX1035 and 1036 are to the underlying publication page number.

1010	U.S. Patent Application Publication No. 2017/0059692 to Laufer *et al*., "Mitigation of Small Unmanned Aircraft Systems Threats" ("Laufer") filed August 26, 2016, published March 2, 2017
1011	U.S. Patent No. 8,874,283 to Cavote, "Drone for Inspection of Closed Space and Method Thereof" ("Cavote") filed December 4, 2012, published October 28, 2014
1012	Internet Archive Wayback Machine screenshot of www.lauferradarsystems.com/technology, dated August 1, 2017
1013	Laufer Wind, Eagle Take Minimization System, Contract DE-EE0007884.0000, Final Technical Report, dated March 28, 2018
1014	U.S. Patent Application Publication No. 2003/0143524 to Lerner, "Method and System for Determining the Amount, Distribution and Confirmation of Genetic Material in a Cell" ("Lerner") filed January 31, 2002, published July 31, 2003
1015	U.S. Provisional Application No. 62/405,972 to Bar-Nahum *et al.*, "Multimodal Sensor Empowered Awareness Engine for Target Recovery and Object Path Prediction" ("'972 Provisional"), filed October 9, 2016
1016	Quadrotor Helicopter Flight Dynamics and Control: Theory and Experiment, Hoffmann et al., American Institute of Aeronautics and Astronautics
1017	DJI Spreading Wings S1000+ User Manual, Version 1.4, dated January 2016
1018	Excerpts from *Control Theory for Humans*, Jagacinski and Flach, 2003
1019	Excerpts from *Control Systems Engineering*, Nise, 2004
1020	Excerpts from *Modern Control Systems*, Dorf and Bishop, 2005
1021	U.S. Patent Application Publication No. 2012/0106800 to Khan *at al.*, 3-D Model Based Method for Detecting and Classifying Vehicles in Aerial Imagery ("Khan"), filed October 28, 2010, published May 3, 2012
1022	PCT International Publication Number WO2017/123477 to Hogasten, Vehicle Based Radar Upsampling ("Hogasten"), filed January 6, 2017, published July 20, 2017, designating the U.S. and filed in English
1023	U.S. Provisional Application No. 62/277186 to Hogasten, "Vehicle Based Radar Upsampling" ("Hogasten Provisional"), filed January 11, 2016

1024	U.S. Patent Application Publication 2013/0301905 to Malecki et al., "System and Method for Determining an Orientation and Position of an Object" ("Malecki"), filed April 10, 2013, published November 14, 2013
1025	U.S. Patent Application Publication 2012/0004844 to Sahasrabudhe et al., "Formation Flying Method and System" ("Sahasrabudhe"), filed June 29, 2011, published January 5, 2012
1026	Claim Listing of Challenged Claims
1027	Siemens SIMATIC VS72X Manual, 2005
1028	*Command Limiting in Reconfigurable Flight Control*, Bodson et al., Journal of Guidance, Control, and Dynamics, Vol. 21, No. 4, July-August 1998
1029	Stipulation Email on May 29, 2025
1030	Second Declaration of Dr. William Singhose
1031	Definition of "autonomous" dated September 16, 2016
1032	Definition of "autopilot" dated September 22, 2015
1033	Transcript of Deposition of Dr. Nikolaos Papanikolopoulos in IPR2025-00629
1034	U.S. Patent No. 9,760,806 to Ning et al., "Method and System for Vision-Centric Deep-Learning-Based Road Situation Analysis" ("Ning") filed May 11, 2016, published September 12, 2017
1035	Big/Little Deep Neural Network for Ultra Low Power Inference, Park et al., *2015 International Conference on Hardware/Software Codesign and System Synthesis Proceedings*, January 20, 2016 ("Park")
1036	You Only Look Once: Unified, Real-Time Object Detection, Redmon et al., *2016 IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Proceedings,* February 6, 2017 ("Redmon")
1037	Declaration of Professor Hall-Ellis
1038	Transcript of Deposition of Dr. Nikolaos Papanikolopoulos for IPR2025-00530
1039	Third Declaration of Dr. William Singhose
1040	CV of Professor Hall-Ellis
1041	Transcript of Second Deposition of Dr. Nikolaos Papanikolopoulos in IPR2025-00629
1042	Transcript of PTAB Hearing Teleconference on July 13, 2026
1043	Errata sheet for July 13, 2026 teleconference

Respectfully submitted,

BAKER BOTTS L.L.P.

Chad C. Walters (Reg. No. 48,022)
Lead Counsel for Petitioners

Date: July 17, 2026

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), I certify that on this 17th day of July, 2026, **PETITIONERS' UPDATED EXHIBIT LIST** and **EX1042** were served by email on the following counsel for Patent Owner:

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