
BEFORE THE PATENT TRIAL AND APPEAL BOARD

HESAI TECHNOLOGY CO., LTD.
Petitioner

v.

OUSTER, INC.,
Patent Owner

Patent No. 11,287,515
Inter Partes Review No. 2023-01422

PATENT OWNER'S SUBMISSION OF EXHIBIT 2033

Pursuant to the Board's email of July 8, 2024, Ouster, Inc. ("Ouster" or "Patent Owner") submits the Certificate of Correction for U.S. Patent No. 11,287,515 ("the '515 Patent" or "the challenged patent") as Exhibit 2033 to this proceeding.

Respectfully submitted,

Dated: July 8, 2024

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UPDATED EXHIBIT LIST

Exhibit No.	Description
2001	Decision on Petition Issues
2002	'018 Provisional Application
2003	'875 Application Specification and Figures
2004	June 20, 2024 Declaration of Dr. Jason Janét
2005	May 23, 2024 Deposition of Dr. Michael Lebby
2006	U.S. Patent Publication 20160047901 (Pacala-2016)
2007	Alan Ohnsman, “Robocar LiDAR Startup Has A Novel Pitch: You Can Buy Our Sensor Now,” Forbes, Dec. 11, 2017.
2008	Velodyne image, VLS-128
2009	Velodyne LiDAR schematic, Envelope VLP-16, Drawing No. 86-0101
2010	Ouster, Inc. Datasheet, OS1 Mid-Range High-Resolution Imaging Lidar, Firmware Version v2.0, Hardware Version 840-102145-D (Rev D), Revision 2/11/2021.
2011	<i>Ouster, Inc. v. Hesai Group</i> , No. 1:23-cv-00406-CFC, (D. Del.), Dkt. No. 3, Ex. 15a (Preliminary infringement chart of U.S. 11,287,515 against PandarQT)
2012	PandarQT 64-Channel Short-Range Mechanical LiDAR User Manual, Hesai Technology Co. Ltd., Doc. Version: Q01-en-220410 (Apr. 2022)

Exhibit No.	Description
2013	QT128C2X 128-Channel Short-Range Mechanical Lidar User Manual, Hesai Technology Co. Ltd., Doc. Version: Q03-en-231210 (Aug. 2022)
2014	Multipole Ring Magnets, An In-Depth Magnet Guide, Tengye, 2023.
2015	<i>Ouster, Inc. v. Hesai Group</i> , No. 1:23-cv-00406-CFC, (D. Del.), Dkt. No. 3, Ex. 30 (PandarQT images)
2016	“Aeroscout Introduce Scout B-330 UAV Helicopter,” sUAS News – The Business of Drones, May 2017.
2017	Image from Mainblades.com home page.
2018	Joy Finnegan, “Ouster New Supplier of Digital Lidar Sensors for Drone Inspections,” Aerospace Tech Review, Jan. 27, 2021.
2019	“Lidar Odometry: Automated Drones in GPS-denied Environments,” Mainblades.com blog, May 24, 2022.
2020	Aircraft Inspection Automation, Mainblades.com home page.
2021	John Sokol, High Res Xray Teardown of Ouster OS1 Lidar, Telerobotics, Dec. 16, 2019
2022	Image from John Sokol, High Res Xray Teardown of Ouster OS1 Lidar, Telerobotics, Dec. 16, 2019.
2023	“TechInsights Teardown: Ouster OS1-64 Lidar Sensor,” Electronics360, Feb. 25, 2022.

Exhibit No.	Description
2024	Image from “TechInsights Teardown: Ouster OS1-64 Lidar Sensor,” Electronics360, Feb. 25, 2022.
2025	11/25/2016 Executed Assignment for U.S. Pat. App. No. 15/276,532, Reel: 040539/Frame: 0269, recorded on Dec. 6, 2016.
2026	12/3/2018 Executed Assignment for U.S. Pat. App. No. 16/209,875, Reel: 047788/Frame: 0249, recorded on Dec. 11, 2018.
2027	1/12/2018 Executed Assignment for U.S. Pat. App. No. 62/596,018.
2028	Velodyne LIDAR HDL-64E Spec Sheet
2029	Velodyne LiDAR VLP-16 User Manual
2030	January 5, 2024 Decision Granting Petition for U.S. Pat. App. No. 17/323,987
2031	January 8, 2024 Corrected Filing Receipt for U.S. Pat. App. No. 17/323,987
2032	U.S. Patent Publication 20200025880
2033	June 25, 2024 Certificate of Correction

CERTIFICATE OF SERVICE

I hereby certify that on July 8, 2024, I caused a true and correct copy of the foregoing Patent Owner's Submission of Exhibit 2033 pursuant to 37 C.F.R. § 42.123(b) to be served electronically on Petitioner at the following email addresses:

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