

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

CIRRUS LOGIC, INC.;
OMNIVISION TECHNOLOGIES, INC.;
AND AMS SENSORS USA INC.,
Petitioner,
v.

GREENTHREAD, LLC,
Patent Owner.

IPR2024-00018
U.S. Patent No. 9,190,502

PATENT OWNER'S CURRENT LIST OF EXHIBITS

Mail Stop "PATENT BOARD"

Patent Trial and Appeal Board
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Submitted Electronically via the Patent Review Processing System

EXHIBIT LIST

Exhibit No.	Description	Submitted Previously?
Ex. 2001	<i>Greenthread, LLC v. Intel Corp.</i> , No. 6:22-cv-00105-ADA, Dkt. 1 (Complaint) (W.D. Tex. Jan. 27, 2022)	X
Ex. 2002	Definition of “privity” in Black’s Law Dictionary (11 th ed. 2019) available from Westlaw at westlaw.com	X
Ex. 2003	<i>Greenthread, LLC v. Intel Corp.</i> , 6:22-cv-00105-ADA, Dkt. 38 (First Amended Complaint for Patent Infringement) (W.D. Tex., filed Apr. 29, 2022)	X
Ex. 2004	<i>Greenthread, LLC v. Intel Corp.</i> , No. 6:22-cv-00105-ADA, Dkt. 113 (Redacted Memorandum Opinion and Order) (W.D. Tex. Dec. 27, 2022)	X
Ex. 2005	<i>Greenthread, LLC v. Intel Corp.</i> , 6:22-cv-00105-ADA, Dkt. 38-8 (Greenthread’s Amended Preliminary Infringement Contentions) (W.D. Tex., filed Apr. 29, 2022)	X
Ex. 2006	<i>Greenthread, LLC v. Intel Corp.</i> , 6:22-cv-00105-ADA, Dkt. 38-12 (Exs. D-1, D-2, D-3, D-6 to Greenthread’s Preliminary Infringement Contentions) (W.D. Tex., filed Apr. 29, 2022)	X
Ex. 2007	<i>Greenthread, LLC v. Intel Corp.</i> , 6:22-cv-00105-ADA, Dkt. 49 (Notice of Appearance of Additional Counsel) (W.D. Tex., filed June 9, 2022)	X
Ex. 2008	Petition (Paper 1) in <i>Sony Group Corp. v. Greenthread, LLC</i> , IPR2023-00376	X

Exhibit No.	Description	Submitted Previously?
Ex. 2009	<i>Greenthread, LLC v. Dell Inc.</i> , No. 6:22-cv-105-ADA, Dkt. 120 (Second Amended Complaint)	X
Ex. 2010	<i>Greenthread, LLC v. Intel Corp.</i> , 6:22-cv-00105-ADA, Dkt. 135 (Motion for Admission Pro Hac Vice of L. Popovski on Behalf of Sony) (W.D. Tex., filed January 30, 2023)	X
Ex. 2011	[SEALED] Email communication from Patent Owner's counsel to Petitioner's counsel dated October 20, 2023	X
Ex. 2012	Email Attachment – Cirrus Logic Technical Support Article Number 000207340	X
Ex. 2013	Email Attachment - Cirrus Logic Investor Presentation as of April 28, 2015	X
Ex. 2014	Email Attachment - GlobalFoundries 2022 Capital Markets Day, available at https://investors.gf.com/static-files/65f5f1b9-2aea-47a3-8455-10413c6560f4	X
Ex. 2015	Email Attachment - Intel RealSense Product Family D400 Series, dated 2019	X
Ex. 2016	[SEALED] Email communication from Petitioner's counsel to Patent Owner's counsel dated October 24, 2023	X
Ex. 2017	Email communication from Patent Owner's counsel to Board, copying Petitioner's counsel dated November 1, 2023	X
Ex. 2018	<i>Greenthread, LLC v. Cirrus Logic, Inc.</i> , No. 1:23-cv-00369 (Supplemental Preliminary Infringement Contentions) (W.D. Tex., served Oct. 13, 2023)	X

Exhibit No.	Description	Submitted Previously?
Ex. 2019	<i>Greenthread, LLC v. Cirrus Logic, Inc.</i> , No. 1:23-cv-00369, Dkt. 29 (Scheduling Order) (W.D. Tex. Aug. 18, 2023)	X
Ex. 2020	Article entitled “Cirrus Logic Helps Ease PC Industry Transition to New MIPI SoundWire® Interface” available at https://investor.cirrus.com/news-and-events/investor-news/news-details/2023/Cirrus-Logic-Helps-Ease-PC-Industry-Transition-to-New-MIPI-SoundWire-Interface/default.aspx	X
Ex. 2021	<i>Greenthread, LLC v. Intel Corp.</i> , 6:22-cv-00105-ADA, Dkt. 120-8, Greenthread’s Amended Preliminary Infringement Contentions (W.D. Tex., filed Jan. 23, 2023)	X
Ex. 2022	[SEALED] Confidential agreement	X
Ex. 2023	CS42L42, Low Power Audio Codec with SoundWire and Audio Processing, available at https://www.cirrus.com/pubs/proBulletin/cs42l43-cs36l56-bulletin.pdf	X
Ex. 2024	Cirrus Logic Immersive PC Audio Solution, available at https://www.cirrus.com/pubs/proBulletin/cs42l43-cs36l56-bulletin.pdf	X
Ex. 2025	Cirrus Logic – What Drives Our Success, available at https://investor.cirrus.com/company-overview/what-drives-our-success/default.aspx	X
Ex. 2026	Cirrus Logic, Inc. Terms and Conditions of Sale, available at https://www.cirrus.com/legal/productterms/	X

Exhibit No.	Description	Submitted Previously?
Ex. 2027	<i>Greenthread, LLC v. OmniVision Technologies Inc.</i> ; 2:23-cv-212, Dkt. 1 (Complaint) (E.D. Tex May 10, 2023)	X
Ex. 2028	[SEALED] Confidential declaration	X
Ex. 2029	<i>Greenthread, LLC v. OmniVision Technologies Inc.</i> , 2:23-00212, Preliminary Infringement Contentions for OmniVision Technologies Inc.	X
Ex. 2030	Deep Dive Teardown of the PlayStation VR2 CFIZVR1 VR Headset, available at https://www.techinsights.com/blog/deep-dive-teardown-playstation-vr2-cfi-zvr1-vr-headset	X
Ex. 2031	Intel RealSense Product Family D400 Series, dated September 2023	X
Ex. 2032	[SEALED] Confidential declaration	X
Ex. 2033	GlobalFoundries Annual Report on Form 20-F for the fiscal year ended December 31, 2022, available at https://investors.gf.com/static-files/cc73efd0-09c1-442a-b4dd-0bcb74610e31	X
Ex. 2034	[SEALED] Confidential agreement	X
Ex. 2035	TechInsights Report on Sony Xperia 5111	X
Ex. 2036	TechInsights Report Ad	X

Exhibit No.	Description	Submitted Previously?
Ex. 2037	[SEALED] Email communication from Petitioner's counsel to Patent Owner's counsel dated between January 9, 2024 through January 10, 2024	X
Ex. 2038	[SEALED] Email communication from Petitioner's counsel to Patent Owner's counsel dated between October 20, 2023 through October 31, 2023	X
Ex. 2039	<i>Greenthread, LLC v. Intel Corp.</i> , No. 6:22-cv-00105-ADA, Dkt. 7 (summons returned executed) (W.D. Tex. Feb. 7, 2022)	
Ex. 2040	Petition (Paper 2) in <i>Sony Group Corp. v. Greenthread, LLC</i> , IPR2023-00324	
Ex. 2041	Petition (Paper 3) in <i>Sony Group Corp. v. Greenthread, LLC</i> , IPR2023-00325	
Ex. 2042	Petition (Paper 1) in <i>Sony Group Corp. v. Greenthread, LLC</i> , IPR2023-00375	
Ex. 2043	<i>Greenthread, LLC v. OmniVision Technologies Inc.</i> ; 2:23-cv-212 (OmniVision's Responses and Objections to Greenthread's Fourth Set of Common Interrogatories)	
Ex. 2044	[SEALED] Email communication from Petitioner's counsel to Patent Owner's counsel dated between November 28, 2023 through December 6, 2023	
Ex. 2045	Samsung Supplier List, dated June 8, 2022, available at https://image-us.samsung.com/SamsungUS/home/pdf/062822/2022_Supplier_List_220608_F.pdf	
Ex. 2046	Email communication to Petitioner's counsel attaching production dated October 5, 2023	

Exhibit No.	Description	Submitted Previously?
Ex. 2047	[SEALED] Email communication to Petitioner's counsel attaching production dated June 30, 2023	
Ex. 2048	<i>Greenthread, LLC v. Samsung Electronics Co., Ltd. et al</i> , EDTX-2-19-cv-00147, Dkt. 1 (Complaint) (E.D.Tex., April 30, 2019)	
Ex. 2049	<i>Greenthread, LLC v. Samsung Electronics Co., Ltd. et al</i> , EDTX-2-19-cv-00147, Dkt. 6 (Order granting Motion for Extension of Time, and Waiver of Foreign Service Requirement) (E.D.Tex., May 31, 2019)	
Ex. 2050	[SEALED] Correspondence from Patent Owner's counsel to Petitioner's counsel dated May 4, 2023	
Ex. 2051	Webpage from DigiKey for Cirrus Logic CS35L41 (https://www.digikey.com/en/products/detail/cirrus-logic-inc/CS35L41-CWZR/16377919)	
Ex. 2052	Webpage from DigiKey for Cirrus Logic CS40L25 (https://www.mouser.com/ProductDetail/Cirrus-Logic/CS40L25-CWZR?qs=xZ%2FP%252Ba9zWqYWfeisEtcaTA%3D%3D)	
Ex. 2053	Webpage from Mouser for Cirrus Logic CS40L25 (https://www.mouser.com/ProductDetail/Cirrus-Logic/CS40L25-CWZR?qs=xZ%2FP%252Ba9zWqYWfeisEtcaTA%3D%3D)	
Ex. 2054	Webpage from ArduCam for OmniVision OV9282 (https://www.arducam.com/product/ov9282-monochrome-globalshutter-camera-module-depthai-oak/)	

Exhibit No.	Description	Submitted Previously?
Ex. 2055	Webpage from Uctronics for OmniVision OV9282 (https://www.uctronics.com/ov9282-monochrome-global-shutter-camera-module-depthai-oak.html)	

Dated: February 7, 2024

Respectfully submitted,

/Alan Whitehurst/

Alan Whitehurst
Reg. No. 43,263
awhitehurst@mckoolsmith.com
Nicholas T. Matich
Reg. No. L1,373
nmatich@mckoolsmith.com
Arvind Jairam
Reg. No. 62,759
ajairam@mckoolsmith.com
Stuart McCommas
Reg. No. 71,834
smccommas@mckoolsmith.com
McKool Smith, P.C.
1999 K St. NW, Suite 600
Washington, DC 20006
Telephone: (202) 370-8300
Facsimile: (202) 370-8344

Archis "Neil" Ozarkar
Reg. No. 71,265
nozarkar@mckoolsmith.com
McKool Smith, P.C.
600 Travis Street, Suite 600
Houston, TX 77002
Telephone: (713) 485-7300
Facsimile: (713) 485-7344

CERTIFICATION OF SERVICE

The undersigned hereby certifies that a copy of this **PATENT OWNER'S CURRENT LIST OF EXHIBITS** has been served on Petitioner via email on the following counsel of record for Petitioner:

Scott Weidenfeller
sweidenfeller@cov.com
Han Park
hpark@cov.com
Covington & Burling LLP
One CityCenter,
850 Tenth Street, NW
Washington, DC 20001-4956

Anupam Sharma
asharma@cov.com
Covington & Burling LLP
3000 El Camino Real,
5 Palo Alto Square,
Palo Alto, CA 94306

Bert Greene
bgreene@duanemorris.com
Andrew Liddell
waliddell@duanemorris.com
DUANE MORRIS LLP
Las Cimas IV
900 S. Capital of Texas Hwy., Suite 300,
Austin, TX 78746

Daniel G. Nguyen
dnguyen@lockelord.com
Emma A. Bennett
emma.bennett@lockelord.com
LOCKE LORD LLP
600 Travis St., Suite 2800
Houston, Texas 77002

David H. Bluestone
david.bluestone@bfkn.com
Barack Ferrazzano Kirschbaum &
Nagelberg LLP
200 West Madison St., Suite 3900
Chicago, Illinois 60606

GT-Cirrus-IPR@cov.com
osram-greenthread@lockelord.com

Dated: February 7, 2024

By: /Alan Whitehurst/
Alan Whitehurst, Reg. No. 43,263