

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD. AND SAMSUNG ELECTRONICS
AMERICA, INC.
Petitioners,

v.

MANUFACTURING RESOURCES INTERNATIONAL, INC.
Patent Owner

U.S. Patent No. 10,506,740

Title: CONSTRICTED CONVECTION COOLING SYSTEM FOR AN
ELECTRONIC DISPLAY

Inter Partes Review No. IPR 2023-00254

PETITIONERS' EXHIBIT LIST AS OF MARCH 5, 2024

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

Pursuant to 37 C.F.R. § 42.63(e), below is a current listing of Petitioners' exhibits.

Exhibit No.	Description of Document
1001	U.S. Patent No. 10,506,740 (the “’740 patent”)
1002	Declaration of Robert Smith-Gillespie
1003	Curriculum Vitae of Robert Smith-Gillespie
1004	International Patent Application No. PCT/FI2006/050145 with Publication No. WO2007116116A1 (“Karppanen”)
1005	United Kingdom Patent Application No. GB 2402205A (“Yare”)
1006	U.S. Patent App. Pub. No. 2009/0145581 (“Hoffman”)
1007	U.S. Patent No. 8,758,144 (“Williams”)
1008	U.S. Patent App. Pub. No. 2008/0083527 (“Horng”)
1009	U.S. Patent No. 4,488,193 (“Davis”)
1010	U.S. Patent No. 6,392,727 (“Larson”)
1011	U.S. Patent No. 7,312,993 (“Bundza”)
1012	U.S. Patent No. 6,504,713 (“Pandolfi”)

Exhibit No.	Description of Document
1013	U.S. Patent No. 5,991,153 (“Heady”)
1014	U.S. Patent No. 6,825,828 (“Burke”)
1015	E. Fred Schubert & Jong Kyu Kim, <i>Solid-State Light Sources Getting Smart</i> , 308 <i>Science</i> 1274 (2005) (“Schubert”)
1016	Military Handbook: Reliability Prediction of Electronic Equipment, DEPARTMENT OF DEFENSE, MIL-HDBK-217F (1991) (“MIL-HDBK-217F”)
1017	Allan Webber, <i>Calculating Useful Lifetimes of Embedded Processors</i> , TEXAS INSTRUMENTS INCORPORATED, SPRABX4 (Nov. 2014) (“Webber”)
1018	LIAN-TUU YEH & RICHARD C. CHU, THERMAL MANAGEMENT OF MICROELECTRONIC EQUIPMENT: HEAT TRANSFER THEORY, ANALYSIS METHODS, AND DESIGN PRACTICES (Dereje Agonafer ed., 2002) (“Yeh & Chu”)
1019	ALLAN W. SCOTT, COOLING OF ELECTRONIC EQUIPMENT (John Wiley & Sons, 1974) (“Scott”)
1020	DAVE S. STEINBERG, COOLING TECHNIQUES FOR ELECTRONIC EQUIPMENT (John Wiley & Sons, 1980) (“Steinberg”)
1021	U.S. Patent No. 5,748,269 to Harris et al. (“Harris”)

Exhibit No.	Description of Document
1022	U.S. Patent No. 6,504,713 to Pandolfi et al. (“Pandolfi”)
1023	U.S. Patent No. 4,327,803 to Mullejeans et al. (“Mullejeans”)
1024	U.S. Patent No. 5,002,118 to Olmstead et al. (“Olmstead”)
1025	U.S. Patent No. 6,244,333 to Bergh et al. (“Bergh”)
1026	Claim Construction Order, <i>Mfg. Resource Intl., Inc. v. Civiq Smartscares, LLC</i> , Civil Action No. 17-269-RGA (D. Del. Oct. 3, 2018)
1027	U.S. Patent No. 8,854,572 to Dunn (the “’572 patent”)
1028	U.S. Patent No. 9,629,287 to Dunn (the “’287 patent”)
1029	U.S. Patent No. 9,173,325 to Dunn (the “’325 patent”)
1030	U.S. Patent Application Publication No. 2004/0135482 (“Thielemans”)
1031	File History for U.S. Patent Application No. 15/789,331
1032	Redline of Corrected Petition
1033	Claim Construction Order (Order No. 13) dated May 15, 2023 in <i>In the Matter of Certain Outdoor and Semi-Outdoor Electronic Displays</i> ,

Exhibit No.	Description of Document
	<i>Products Containing Same, And Components Thereof</i> , Inv. No. 337-TA-1331 (U.S.I.T.C.)
1034	Declaration of Srikanth K. Reddy in Support of Motion for <i>Pro Hac Vice</i> Admission Under 37 C.F.R. § 42.10(c)
1034 ¹	Corrected Declaration of Srikanth K. Reddy in Support of Motion for <i>Pro Hac Vice</i> Admission Under 37 C.F.R. § 42.10(c)
1035	Final Initial Determination on Violation of Section 337 in <i>Certain Outdoor and Semi-Outdoor Electronic Displays, Products Containing Same, and Components Thereof</i> , Investigation No. 337-TA-1331 [CONFIDENTIAL]
1036	Excerpt of February 1, 2023 Deposition of Himanshu Pokharna in Investigation No. 337-TA-1331
1037	December 13, 2023 Deposition of Himanshu Pokharna
1038	Excerpt of Day 3 Hearing Testimony in Investigation No. 337-TA-1331 [CONFIDENTIAL]
1039	Excerpt of Day 1 Hearing Testimony in Investigation No. 337-TA-1331

¹ Pursuant to Paper No. 23 Order: Conditionally Granting Petitioners' Motion for *Pro Hac Vice* Admission of Srikanth K. Reddy, a corrected version of the declaration in support of the motion was submitted at the direction of the Board.

Exhibit No.	Description of Document
1040	Samsung Outdoor display OHA, OHB series Brochure, <i>available at</i> https://displaysolutions.samsung.com/pdf/brochure/7924/Samsung_OHA_OHB_series_Brochure_220310_Web.pdf
1041	Samsung Outdoor Signage, OHN, OHN-D Series Datasheet, <i>available at</i> https://displaysolutions.samsung.com/pdf/datasheet/3732/Samsung_Outdoor_Signage_OHN,OHN-D_Datasheet_200109_web.pdf
1042	https://lg-mri.com/boldvu-outdoor-lcd-displays/
1043	Excerpt of October 24, 2018 Deposition Transcript of William Dunn [CONFIDENTIAL]
1044	December 21, 2022 Complainant Proposed Claim Constructions in Investigation No. 337-TA-1331
1045	Notice of a Commission Determination Not to Review a Final Initial Determination Finding No Violation of Section 337; Termination of the Investigation dated February 28, 2024

IPR2023-00254
U.S. Patent No. 10,506,740

Date: March 5, 2024

Respectfully submitted,

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CERTIFICATE OF SERVICE

The undersigned certifies that a true and correct copy of the foregoing PETITIONERS' EXHIBIT LIST AS OF MARCH 5, 2024 and Exhibit 1045 has been served on counsel for Patent Owner by email upon the following addresses as listed in Patent Owner's Mandatory Notices:

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