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. 11,013,142

Title: CONSTRICTED CONVECTION COOLING SYSTEM FOR AN ELECTRONIC DISPLAY

Inter Partes Review No. IPR 2023-00221

PETITIONERS' EXHIBIT LIST AS OF NOVEMBER 22, 2023

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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. 11,013,142 to Dunn ("the '142 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 to Karppanen et al. ("Karppanen")
1005	U.S. Patent No. 6,392,727 to Larson et al. ("Larson")
1006	United Kingdom Patent Application No. GB 2402205A to Yare ("Yare")
1007	U.S. Patent No. 6,825,828 to Burke et al. ("Burke")
1008	E. Fred Schubert & Jong Kyu Kim, *Solid-State Light Sources Getting Smart*, 308 *Science* 1274 (2005) ("Schubert")
1009	Military Handbook: Reliability Prediction of Electronic Equipment, DEPARTMENT OF DEFENSE, MIL-HDBK-217F (1991) ("MIL-HDBK-217F")
1010	Allan Webber, *Calculating Useful Lifetimes of Embedded Processors,* TEXAS INSTRUMENTS INCORPORATED, SPRABX4 (Nov. 2014) ("Webber")

Exhibit No.	Description of Document
1011	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")
1012	ALLAN W. SCOTT, COOLING OF ELECTRONIC EQUIPMENT (John Wiley & Sons, 1974) ("Scott")
1013	DAVE S. STEINBERG, COOLING TECHNIQUES FOR ELECTRONIC EQUIPMENT (John Wiley & Sons, 1980) ("Steinberg")
1014	U.S. Patent No. 5,748,269 to Harris et al. ("Harris")
1015	U.S. Patent No. 6,504,713 to Pandolfi et al. ("Pandolfi")
1016	U.S. Patent No. 4,327,803 to Mullejeans et al. ("Mullejeans")
1017	U.S. Patent No. 5,002,118 to Olmstead et al. ("Olmstead")
1018	U.S. Patent No. 6,244,333 to Bergh et al. ("Bergh")
1019	U.S. Patent No. 4,896,218 to Vick ("Vick")
1020	U.S. Patent No. 6,020,945 to Sawai et al. ("Sawai")
1021	U.S. Patent No. 3,858,965 to Sumita ("Sumita")

Exhibit No.	Description of Document
1022	File History for U.S. Patent Application No. 16/933,932
1023	*Claim Construction Order, Mfg. Resource Intl., Inc. v. Civiq Smartscapes, LLC*, Civil Action No. 17-269-RGA (D. Del. Oct. 3, 2018)
1024	U.S. Patent No. 8,854,572 to Dunn (the "'572 patent")
1025	U.S. Patent No. 9,629,287 to Dunn (the "'287 patent")
1026	U.S. Patent No. 9,173,325 to Dunn (the "'325 patent")
1027	Redline of Corrected Petition
1028	Claim Construction Order (Order No. 13) dated May 15, 2023 in *In the Matter of Certain Outdoor and Semi-Outdoor Electronic Displays, Products Containing Same, And Components Thereof*, Inv. No. 337-TA-1331 (U.S.I.T.C.)
1029	Declaration of Srikanth K. Reddy in Support of Motion for *Pro Hac Vice* Admission Under 37 C.F.R. § 42.10(c)

Date: November 22, 2023

Respectfully submitted,

/*Sanjeet Dutta*/
Sanjeet Dutta
Registration No. 46,145
Goodwin Procter LLP
601 Marshall Street
Redwood City, CA 94063
Email: sdutta@goodwinlaw.com
Tel: (650) 752-3100
Fax: (650) 853-1038

CERTIFICATE OF SERVICE

The undersigned certifies that a true and correct copy of the foregoing PETITIONERS' EXHIBIT LIST AS OF NOVEMBER 22, 2023 and Exhibit 1029 has been served on counsel for Patent Owner by email upon the following addresses as listed in Patent Owner's Mandatory Notices:

John C. Alemanni – jalemanni@kilpatricktownsend.com
Carl Sanders – csanders@kilpatricktownsend.com
Michael T. Morlock – mmorlock@kilpatricktownsend.com
Courtney Dabbiere – cdabbiere@kilpatricktownsend.com

Respectfully submitted,
GOODWIN PROCTER LLP

Date: November 22, 2023

By: */Sanjeet Dutta/*

Sanjeet Dutta
Registration No. 46,145
Goodwin Procter LLP
601 Marshall Street
Redwood City, CA 94063
Email: sdutta@goodwinlaw.com
Tel: (650) 752-3100
Fax: (650) 853-1038