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. 9,629,287

Title: SYSTEM FOR USING CONSTRICTED CONVECTION WITH CLOSED LOOP COOLING SYSTEM AS THE CONVECTION PLATE

Inter Partes Review No. IPR 2023-00255

PETITIONERS' EXHIBIT LIST AS OF MAY 24, 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 9,629,287 B2 to Dunn ("the '287 patent")
1002	Declaration of Robert Smith-Gillespie
1003	Curriculum Vitae of Robert Smith-Gillespie
1004	Certified Translation of Japanese Patent No. 3118907 to Ohta ("Ohta")
1005	Certified Translation of Japanese Unexamined Patent Publication H8-152604 to Marumoto ("Marumoto")
1006	International Patent Application No. PCT/FI2006/050145 with Publication No. WO2007116116A1 to Karppanen et al. ("Karppanen")
1007	U.S. Patent No. 6,798,655 to Nagashima et al. ("Nagashima")
1008	"Exhibit 22: Infringement Claim Chart for Samsung OH-Series Outdoor Display Products," produced by Manufacturing Resources International, Inc. in In re Certain Outdoor and Semi-Outdoor Electronic Displays, Products Containing Same, and Components Thereof, Investigation No. 337-TA-1331
1009	Japanese Patent No. 3118907 Ohta ("Ohta ")

Exhibit No.	Description of Document
1010	Japanese Unexamined Patent Publication H8-152604 to Marumoto ("Marumoto ")
1011	Claim Construction Order (D.I. 153) dated October 3, 2018 in *Manufacturing Resources Int'l, Inc. v. Civiq Smartscapes, LLC, et al.*, Civil Action No. 17-269-RGA (D. Del.)
1012	Memorandum Opinion (D.I. 150) dated September 27, 2018 in *Manufacturing Resources Int'l, Inc. v. Civiq Smartscapes, LLC, et al.*, Civil Action No. 17-269-RGA (D. Del.)
1013	United Kingdom Patent Application No. GB 2402205A to Yare ("Yare")
1014	File history for U.S. Patent Application No. 15/180,968
1015	Japanese Patent Application No. 2001-209126 A to Fujimori ("Fujimori")
1016	Japanese Unexamined Patent Application Publication No. H8-54834 to Kitamura ("Kitamura")
1017	Certified Translation of Japanese Unexamined Application Publication No. H8-54834 to Kitamura ("Kitamura")
1018	U.S. Patent 5,748,269 to Harris, et al. ("Harris")
1019	U.S. Patent No. 5,991,153 to Heady, et al. ("Heady")

Exhibit No.	Description of Document
1020	Excerpts from the File History of U.S. Application No. 14,508,767
1021	U.S. Patent No. 6,825,828 ("Burke")
1022	E. Fred Schubert & Jong Kyu Kim, *Solid-State Light Sources Getting Smart*, 308 *Science* 1274 (2005) ("Schubert")
1023	Military Handbook: Reliability Prediction of Electronic Equipment, DEPARTMENT OF DEFENSE, MIL-HDBK-217F (1991) ("MIL-HDBK-217F")
1024	Allan Webber, *Calculating Useful Lifetimes of Embedded Processors,* TEXAS INSTRUMENTS INCORPORATED, SPRABX4 (Nov. 2014) ("Webber")
1025	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")
1026	ALLAN W. SCOTT, COOLING OF ELECTRONIC EQUIPMENT (John Wiley & Sons, 1974) ("Scott")
1027	DAVE S. STEINBERG, COOLING TECHNIQUES FOR ELECTRONIC EQUIPMENT (John Wiley & Sons, 1980) ("Steinberg")
1028	U.S. Patent No. 6,504,713 ("Pandolfi")

Exhibit No.	Description of Document
1029	U.S. Patent No. 4,327,803 ("Mullejeans")
1030	U.S. Patent No. 5,002,118 ("Olmstead")
1031	U.S. Patent No. 6,244,333 to Bergh et al. ("Bergh")
1032	Memorandum Opinion (D.I. 181) dated March, 5, 2019 in *Manufacturing Resources Int'l, Inc. v. Civiq Smartscapes, LLC, et al.*, Civil Action No. 17-269-RGA (D. Del.)
1033	Redline of Corrected Petition
1034	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.)

Date: May 24, 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 MAY 24, 2023 and Exhibit 1034 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: May 24, 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