

**UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON, D.C.**

**Before The Honorable Monica Bhattacharyya
Administrative Law Judge**

In the Matter of

**CERTAIN OUTDOOR AND SEMI-
OUTDOOR ELECTRONIC
DISPLAYS, PRODUCTS
CONTAINING SAME, AND
COMPONENTS THEREOF**

Inv. No. 337-TA-1331

UPDATED JOINT CLAIM CONSTRUCTION STATEMENT

Pursuant to the Procedural Schedule (Order No. 7) and Ground Rule 6.3 (Order No. 2), and based on the claims at issue in this Investigation, Complainant Manufacturing Resources International, Inc. (“MRI” or “Complainant”) and Respondents Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. (collectively, “Samsung Electronics”), Samsung SDS Co. Ltd. and Samsung SDS America, Inc. (collectively, “Samsung SDS”), Industrial Enclosures Corporation d/b/a Palmer Digital Group (“Palmer”), Coates Signco Pty Limited and Coates US Inc., (collectively, “Coates”) (collectively, “Respondents”), by their undersigned attorneys hereby submit the following Updated Joint Claim Construction Chart identifying terms and proposed constructions from the patents asserted by Complainant in this Investigation, *i.e.*, U.S. Patent Nos. 8,854,595 (“the ’595 patent”), 9,173,322 (“the ’322 patent”), 9,629,287 (“the ’287 patent”), 10,506,740 (“the ’740 patent”) and 11,013,142 (“the ’142 patent”).¹

¹ Coates and Palmer only propose constructions with respect to the patents and claims that MRI has accused them of infringing.

The Parties provide these proposed constructions without waiving the right to further refine or otherwise revise the following proposals in view of further consideration and further attempts to reach agreement.

I. AGREED CONSTRUCTIONS

	Term or Phrase	Agreed Construction
1	A system for cooling an electronic display having a posterior display surface and contained within a housing, the system comprising” ('595 Patent: claim 1 preamble)	Preamble is limiting.
2	“means for propelling gas around the closed loop” ('595 Patent: claims 9, 13)	§ 112, ¶ 6: The recited function is “propelling gas around the closed loop.” The corresponding structure to perform this function is a refrigeration unit or a plurality of fans.
3	“means for cooling the gas in the closed loop” ('595 Patent: claim 9)	§ 112, ¶ 6: The recited function is “cooling the gas in the closed loop.” The corresponding structure to perform this function is a conditioning unit, a refrigerating unit, a thermoelectric unit, or any other device that decreases the temperature of the gas in the closed loop.
4	“means for forcing air through the constricted convection channel” ('595 Patent: claims 9, 16)	§112, ¶ 6: The recited function is “forcing air through the constricted convection channel.” The corresponding structure to perform this function is one or more fans or an air conditioning unit.

	Term or Phrase	Agreed Construction
5	“A system for cooling an electronic display having a posterior display surface and contained within a housing, the system comprising” (’322 Patent: claim 1 preamble)	Preamble is limiting.
6	“substantially parallel” (’322 Patent: claims 3, 4)	“approximately parallel”
7	“means for forcing air between the constricted convection plate and the posterior surface of the electronic display” (’322 Patent: claims 9, 13)	§ 112, ¶ 6: The recited function is “forcing air between the constricted convection plate and the posterior surface of the electronic display.” The corresponding structure to perform this function is one or more fans or an air conditioning unit.

II. DISPUTED TERMS FOR RESOLUTION IN THE MARKMAN PROCESS

	Term or Phrase	Complainant’s Proposed Construction	Respondents’ Proposed Construction
1	“a fan placed to draw air from outside of the housing through the constricted convection channel” (’595 Patent, claim 1) “a fan positioned to draw air through the constricted convection channel” (’595 Patent, claim 4)	Plain and ordinary meaning.	“a fan positioned to pull air [from outside the housing] through and out of the constricted convection channel”

	Term or Phrase	Complainant's Proposed Construction	Respondents' Proposed Construction
	“a fan placed to draw ambient air between the constricted convection plate and the rear posterior” (’322 Patent, claim 1) “a fan positioned to draw air between the constricted convection plate and the posterior surface” (’322 Patent, claim 4)		“a fan positioned to pull [ambient] air through and out of the space that separates the constricted convection plate and the [rear posterior/posterior surface]”
2	“between” (’322 Patent, claims 1, 4, 9)	Plain and ordinary meaning.	“in the space that separates”
3	“constricted convection plate” (’595 Patent: claims 1, 4, 8, 9; ’322 Patent: claims 1, 3, 4, 5, 7, 8, 9, 12, 13)	“a flat structure, distinct from [the / any] housing, located to form a narrowed air flow path, thereby configured to direct airflow to remove heat from the [posterior display surface / posterior surface]” ²	No construction necessary, or in the alternative, plain and ordinary meaning, which is “a plate that is configured to constrict airflow to remove heat from the [posterior display surface / posterior surface]”
4	“constricted convection channel” (’595 Patent: claims 1, 4, 7, 9, 16)	“a narrowed air flow path formed by a flat structure, distinct from [the / any] housing, through which air may flow to remove heat from the [posterior display surface / posterior surface]”	“constricted channel through which air may flow to remove heat from the [posterior display surface / posterior surface]”

² Complainant has updated its proposed constructions of “constricted convection plate” and “constricted convection channel” to moot any perceived issues, as proposed in its Rebuttal Brief (at 13 n.4 and 15 n.5).

	Term or Phrase	Complainant's Proposed Construction	Respondents' Proposed Construction
5	“posterior display surface” (’595 Patent: claim 1; ’322 Patent: claim 3) “posterior surface of the electronic display” (’322 Patent: claim 9)	Plain and ordinary meaning.	“rear-facing surface of the display assembly”
6	“closed loop” (’595 Patent: claim 9; ’287 Patent: claims 1, 2, 4-8, 11, 12, 17-19, 21, 22; ’142 Patent: claims 1, 3, 6, 12, 15; ’740 Patent: claims 1, 5, 6, 8, 15, 16, 17, 20)	Plain and ordinary meaning.	“gas pathway within a display housing containing gas that is essentially isolated from external air”
7	“open loop of ambient air which passes through the housing and along the backlight” ’287 Patent: claim 12	Plain and ordinary meaning.	“open loop of ambient air which passes through the housing and is in thermal communication with, the backlight”

III. REMAINING DISPUTED TERMS

	Term or Phrase	Complainant's Proposed Construction	Respondents' Proposed Construction
1	“near the exit” (’595 Patent: claims 7, 16)	Plain and ordinary meaning. Not indefinite.	Indefinite.

	Term or Phrase	Complainant's Proposed Construction	Respondents' Proposed Construction
2	“a posterior surface on the rear side of the PCB” '595 Patent: claim 4 '322 Patent: claim 4	Plain and ordinary meaning. Not indefinite.	Indefinite.
3	“near the entrance aperture” ('322 Patent: claim 13)	Plain and ordinary meaning. Not indefinite.	Indefinite.
4	“the rear posterior” ('322 Patent: claim 1)	Plain and ordinary meaning. Not indefinite.	Indefinite.
5	“the rear cooling chamber” ('287 Patent: claim 15)	Plain and ordinary meaning. Not indefinite.	Indefinite.
6	“one or more electronic devices for operating the electronic display positioned within the sealed plenum” / “one or more electronic components for driving the LCD positioned within the rear cooling chamber” ('287 Patent: claims 9, 15)	Plain and ordinary meaning. Not indefinite.	Indefinite.

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Respectfully submitted,

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CERTIFICATE OF SERVICE

I, Pamela A. Freitik, hereby certify that the attached document has been served upon the following parties as indicated below on March 8, 2023.

The Honorable Katherine M. Hiner Acting Secretary to the Commission U.S. International Trade Commission 500 E Street SW, Room 112-A Washington, DC 20436	☒ Via EDIS ☐ Via First Class Mail ☐ Via Express Delivery ☐ Via Hand Delivery
The Honorable Monica Bhattacharyya Administrative Law Judge U.S. International Trade Commission 500 E Street SW, Room 317 Washington, DC 20436	☐ Via First Class Mail ☐ Via Express Delivery ☐ Via Hand Delivery ☒ Via Electronic Mail at Bhattacharyya337@usitc.gov
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/s/ Pamela A. Freitik

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