

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 April 2026 (09.04.2026)



(10) International Publication Number
WO 2026/073333 A1

(51) International Patent Classification:

E04B 1/76 (2006.01) *E04B 2/56* (2006.01)
E04B 2/28 (2006.01) *F24D 12/00* (2006.01)

(21) International Application Number:

PCT/CA2024/051316

(22) International Filing Date:

04 October 2024 (04.10.2024)

(25) Filing Language:

English

(26) Publication Language:

English

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(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,

KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed
contained color or greyscale and is available for download
from PATENTSCOPE

(54) Title: WALL ASSEMBLY WITH IMPROVED THERMAL INSULATION PROPERTIES

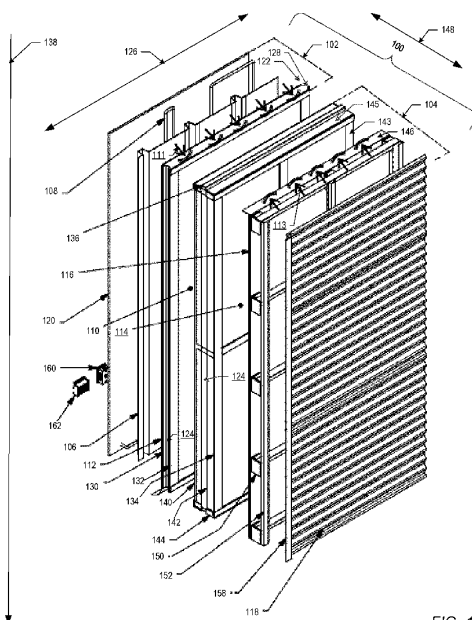


FIG. 1

(57) Abstract: A wall including a thermal chamber assembly having a radiant panel layer, a thermal generation system connected to the radiant panel layer, a first insulation layer connected to the radiant panel layer opposite the thermal generation system, and a radiant barrier layer connected to the first insulation layer between the first insulation layer and the radiant panel layer. The wall also includes a ventilated cavity assembly, connected to the thermal chamber assembly, having a second insulation layer connected to the first insulation layer opposite the radiant barrier layer; a gas barrier layer connected to the second insulation layer opposite the radiant barrier layer to establish a first gas layer between the second insulation layer and the gas barrier layer; and an exterior layer connected to the gas barrier layer opposite the second insulation layer to establish a second gas layer between the gas barrier layer and the exterior layer.

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