

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
25 June 2020 (25.06.2020)



(10) International Publication Number
WO 2020/126135 A1

- (51) **International Patent Classification:**
C25B 1/10 (2006.01) C25B 9/20 (2006.01)
- (21) **International Application Number:**
PCT/EP2019/075483
- (22) **International Filing Date:**
23 September 2019 (23.09.2019)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
18214709.0 20 December 2018 (20.12.2018) EP
- (71) **Applicant:** HYMETH APS [DK/DK]; c/o Copenhagen School of Entrepreneurship, Porcelænshaven 26, 2. floor, 2000 Frederiksberg C (DK).
- (72) **Inventor:** BISHWAS, Sumon; Kærlunden 3, 2660 Brøndby Strand (DK).
- (74) **Agent:** KRANSELL & WENNBORG KB; P.O. Box 27834, 115 93 STOCKHOLM (SE).

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))

(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, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) **Title:** RACK-MOUNT BOX FOR A HEAT-EMITTING DEVICE

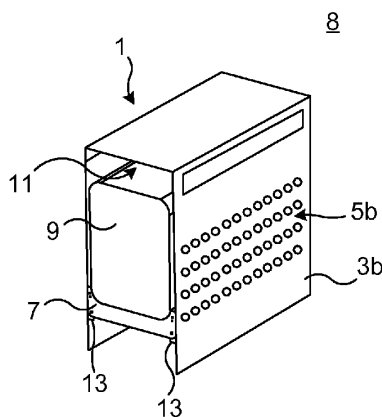


Fig. 2

(57) **Abstract:** A rack-mount box (1") for a heat-emitting device, wherein the rack-mount box (1") comprises: a housing (3') forming a heat-emitting device chamber, and a heat-emitting device holding structure (77) arranged in the heat-emitting device chamber and configured to support a heat-emitting device, a cool air inlet (71) arranged vertically below the heat-emitting device holding structure (77), configured to enable cool air to flow into the heat-emitting device chamber, the heat-emitting device holding structure (77) being configured to enable cool air to flow vertically past the heat-emitting device holding structure (77), wherein the housing (3') has a wall (3d') provided with a hot air outlet (73) arranged vertically above the heat-emitting device holding structure (77) to enable heated air received into the heat-emitting device chamber as cool air via the cool air inlet (71) to exit the heat-emitting device chamber, wherein the housing (3') has a roof structure (79) extending inwards in the heat-emitting chamber, the roof structure (79) being configured to direct heated air in the heat-emitting device chamber towards the hot air outlet (73).

WO 2020/126135 A1