

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 June 2022 (09.06.2022)



(10) International Publication Number
WO 2022/118239 A1

(51) International Patent Classification:
F25D 29/00 (2006.01) *B60L 53/35* (2019.01)

(21) International Application Number:
PCT/IB2021/061234

(22) International Filing Date:
02 December 2021 (02.12.2021)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
102020000029687 03 December 2020 (03.12.2020) IT

(71) Applicant: **S-CUBE SRL** [IT/IT]; Viale Armando Diaz 29,
09125 Cagliari (CA) (IT).

(72) Inventors: **CURLETTTO, Pierluigi**; c/o S-Cube Srl, Viale
Armando Diaz 29, 09125 Cagliari (CA) (IT). **PELLE-
GROTTI, Fulvio**; c/o S-Cube Srl, Viale Armando Diaz 29,
09125 Cagliari (CA) (IT).

(74) Agent: **ARECCO, Andrea**; c/o Arbo Srl, Viao Colombo
11/29, 16121 Genova (GE) (IT).

(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, IT, 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, 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, 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,

(54) Title: SYSTEM FOR THE AUTOMATIC CONNECTION AND/OR DISCONNECTION OF THE ELECTRIC POWER SUPPLY AND/OR DATA CONNECTION FOR REFRIGERATED CONTAINERS

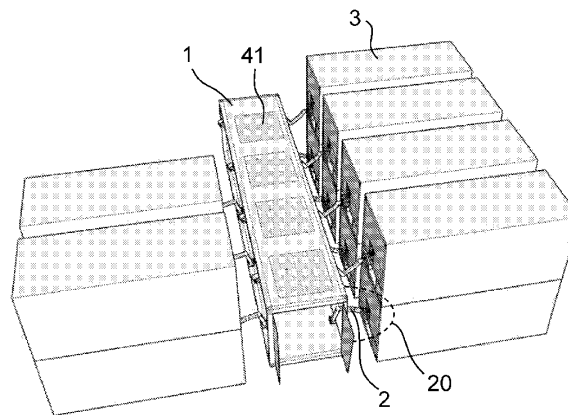


Fig. 2

(57) Abstract: System for the automatic connection and/or disconnection of the electric power supply and/or data connection for refrigerated containers (3) by means of at least one mechanical arm (2), comprising a transportable support structure (1) and provided with electric power supply means and/or connection to a data transmission network. The support structure (1) is provided with said mechanical arm (2), and said mechanical arm (2) is positioned so as to define an operating area (20) outside said support structure (1) and at least partially superimposed on a position of said refrigerated container (1).

[Continued on next page]



WO 2022/118239 A1

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))*
- *in black and white; the international application as filed
contained color or greyscale and is available for download
from PATENTSCOPE*