

Title (en)
HEAT PUMP

Title (de)
WÄRMEPUMPE

Title (fr)
POMPE À CHALEUR

Publication
EP 4243218 A1 20230913 (EN)

Application
EP 22161660 A 20220311

Priority
EP 22161660 A 20220311

Abstract (en)
The invention relates to a Heat pump comprising at least one electrically operated switch, an electrical cable assembly and a connection device for connecting said electrically operated switch to said electrical cable assembly, the device comprising: a main body having a front surface to be oriented towards the switch and a rear surface to be oriented towards the cable assembly, and at least a through-hole extending along the main body and having a front opening for receiving a male plug of the switch and a rear opening for receiving a terminal cable connector, in particular a female crimp terminal, the terminal cable connector having a first end connectable to the male plug of the switch and a second end connectable to a cable of the cable assembly, wherein the device further comprises fixing means located inside the through-hole for engaging the terminal cable connector and maintaining the terminal cable connector completely inserted in the through-hole and preventing the second end of the terminal cable connector from exiting the rear opening during a connection phase.

IPC 8 full level
H01R 13/422 (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP)
H01R 13/4223 (2013.01)

Citation (search report)

- [I] US 4295698 A 19811020 - CHOW WEICHIE
- [I] GB 2271890 A 19940427 - GEM MACHINERY INDUSTRY COMPANY [TW]
- [I] US 6247965 B1 20010619 - CUMMINGS DOUGLAS S [US], et al
- [I] US 2004203287 A1 20041014 - ITOU TOMONARI [JP], et al
- [I] US 9899758 B1 20180220 - MORELLO JOHN R [US], et al
- [I] US 5378170 A 19950103 - ABE KIMIHIRO [JP], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4243218 A1 20230913

DOCDB simple family (application)
EP 22161660 A 20220311