Title (en)
HEAT PUMP DEFROST CONTROLLER

Title (de)
WÄRMEPUMPENABTAUREGLER

Title (fr)
CONTRÔLEUR DE DÉGIVRAGE DE POMPE À CHALEUR

Publication
EP 3671058 A1 20200624 (EN)

Application
EP 19217749 A 20191218

Priority
• US 201862781551 P 20181218
• US 201916717815 A 20191217

Abstract (en)
A universal heat pump defrost controller device can be configured to determine when and for how long to cause a heat pump to enter defrost mode to remove ice from the outdoor heat exchanger coil. The defrost controller of this disclosure is configured to work with a variety of heat pumps which may implement a variety of defrost approaches, such as demand or timing. The arrangement and form factor of the defrost controller, along with break-away tabs, may allow the defrost controller to fit in the limited space available in many heat pumps. The simple dual display and controls of the device provide for intuitive configuration and troubleshooting during setup and installation.

IPC 8 full level
F24F 11/42 (2018.01); **F24F 11/52** (2018.01); **F24F 11/61** (2018.01); **F24F 11/62** (2018.01); **F25B 47/02** (2006.01); **F25D 21/00** (2006.01)

CPC (source: EP US)
F24F 11/41 (2018.01 - US); **F24F 11/42** (2018.01 - EP); **F24F 11/52** (2018.01 - EP US); **F24F 11/61** (2018.01 - EP); **F24F 11/62** (2018.01 - EP); **F25B 47/02** (2013.01 - US); F24F 2110/12 (2018.01 - EP); F24F 2140/20 (2018.01 - EP); F25B 47/025 (2013.01 - EP); F25B 2600/23 (2013.01 - US); F25B 2700/11 (2013.01 - US); F25B 2700/2106 (2013.01 - US)

Citation (search report)
• [XYI] US 2015184921 A1 20150702 - VIE DAVID L [US], et al
• [Y] JP S60142138 A 19850727 - HONEYWELL INC
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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

DOCDB simple family (publication)
EP 3671058 A1 20200624; **EP 3671058 B1 20240508**; US 2020191458 A1 20200618

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