

Title (en)
PRESSURE PROTECTION CIRCUIT, CONTROL METHOD, AND COMPUTER-READABLE STORAGE MEDIUM

Title (de)
DRUCKSCHUTZSCHALTUNG, STEUERUNGSVERFAHREN UND COMPUTERLESBARES SPEICHERMEDIUM

Title (fr)
CIRCUIT DE PROTECTION CONTRE LA PRESSION, PROCÉDÉ DE COMMANDE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR

Publication
EP 3992458 A4 20220928 (EN)

Application
EP 20902060 A 20200224

Priority

- CN 201911300233 A 20191216
- CN 2020076442 W 20200224

Abstract (en)
[origin: EP3992458A1] The present application provides a pressure protection circuit, a control method, and a computer-readable storage medium. The pressure protection circuit comprises: a driving module electrically connected to a compressor; a pressure switch module disposed between the driving module and a power supply loop of the compressor and used for outputting a switching signal, the switching signal being used for controlling the connection or disconnection of the power supply and the driving module; and a control module electrically connected to the driving module and the pressure switch module, and used for inputting a driving control signal to the driving module, so that the driving module controls the compressor to operate according to the driving control signal. The control module is further used for controlling, upon detecting that the switch signal does not match a bus signal of the driving module, the compressor to stop operating. By means of the technical solution of the present application, the compressor is prevented from operating under a working condition in which the pressure switch module fails, the probability of abnormal operation is reduced, and thus the operational safety and reliability of the compressor can be improved.

IPC 8 full level
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CPC (source: CN EP)
F04B 49/02 (2013.01 - EP); **F04B 49/022** (2013.01 - CN EP); **F04B 49/06** (2013.01 - EP); **F04B 49/065** (2013.01 - CN); **F04B 49/08** (2013.01 - EP); **F04D 27/0292** (2013.01 - EP)

Citation (search report)

- [I] CN 107580750 A 20180112 - DAIKIN IND LTD
- [A] JP 2010181110 A 20100819 - MITSUBISHI ELECTRIC CORP
- [A] CN 106684818 A 20170517 - GUANDONG MIDEA HVAC EQUIPMENT, et al
- See also references of WO 2021120388A1

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 3992458 A1 20220504; **EP 3992458 A4 20220928**; CN 111005862 A 20200414; CN 111005862 B 20220215; WO 2021120388 A1 20210624

DOCDB simple family (application)
EP 20902060 A 20200224; CN 201911300233 A 20191216; CN 2020076442 W 20200224