

Title (en)
TURN-OFF PROTECTION, DRIVING AND OVERPRESSURE TURN-OFF SYSTEMS, HEAT PUMP APPARATUS, AND ELECTRICAL DEVICE

Title (de)
ABSCHALTSCHUTZ, ANTRIEBS- UND ÜBERDRUCKABSCHALTSYSTEME, WÄRMEPUMPENVORRICHTUNG UND ELEKTRISCHE VORRICHTUNG

Title (fr)
SYSTÈMES DE PROTECTION CONTRE L'EXTINCTION, D'ENTRAÎNEMENT ET DE MISE HORS TENSION DE SURPRESSION, APPAREIL DE POMPE À CHALEUR ET DISPOSITIF ÉLECTRIQUE

Publication
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Application
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Priority
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Abstract (en)
The present application provides turn-off protection, driving and overpressure turn-off systems, a heat pump apparatus, and an electrical device. The turn-off protection system includes a first control apparatus and a second control apparatus. The first control apparatus is in signal connection with a pressure switch apparatus when in use to output a first drive signal, and is used for stopping outputting the first drive signal according to a pressure switch action signal, where the pressure switch apparatus is turned off when a pressure of the system is detected to be overpressure and outputs the pressure switch action signal, the first drive signal is used to instruct the drive apparatus to drive a compression apparatus to operate. The second control apparatus is used to output a fault protection signal to the drive apparatus upon obtaining the pressure switch action signal and the first drive signal from the first control apparatus, where the fault protection signal is used to control the drive apparatus to stop outputting the second drive signal to the compression apparatus. An efficiency and a success rate of turning off the compression apparatus and a safety factor of an air conditioning system and a heat pump system can be improved by the present application.

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Citation (search report)

- [A] EP 3450882 A1 20190306 - LG ELECTRONICS INC [KR]
- [A] KR 20190072893 A 20190626 - LG ELECTRONICS INC [KR]
- [A] US 2017037842 A1 20170209 - OHKUBO SHINICHI [JP], et al

Designated contracting state (EPC)
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