

Title (en)

CIRCUIT FOR BLOCKING OPERATION OF COMPRESSOR

Title (de)

SCHALTUNG ZUM SPERREN DES BETRIEBS EINES KOMPRESSORS

Title (fr)

CIRCUIT PERMETTANT DE BLOQUER LE FONCTIONNEMENT D'UN COMPRESSEUR

Publication

EP 3450882 A1 20190306 (EN)

Application

EP 18167152 A 20180413

Priority

KR 20170109607 A 20170829

Abstract (en)

A circuit for blocking an operation of a compressor includes a compressor power supply unit (320) including a relay (321) to supply power to the compressor when the relay is turned on, a micro-computer (360) to control an on/off state of the relay, a relay power supply unit (330) to apply power to the relay, and a switching unit (340) to cut off the power applied to the relay, based on pressure of a refrigerant.

IPC 8 full level

F25B 49/00 (2006.01)

CPC (source: EP KR)

F04B 49/022 (2013.01 - KR); **F04B 49/065** (2013.01 - KR); **F25B 49/005** (2013.01 - EP); **F25B 2500/07** (2013.01 - EP)

Citation (applicant)

KR 101323135 B1 20131030 - KIM JOO HAN [KR]

Citation (search report)

- [X] EP 1087184 A2 20010328 - MITSUBISHI ELECTRIC CORP [JP]
- [I] JP 2004286238 A 20041014 - DAIKIN IND LTD
- [I] CN 105890247 A 20160824 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD, et al

Cited by

EP3992551A4; EP4317686A1; EP4317687A1

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 3450882 A1 20190306; KR 20190023609 A 20190308

DOCDB simple family (application)

EP 18167152 A 20180413; KR 20170109607 A 20170829