

Title (en)

Device for controlling a fixed-capacity compressor

Title (de)

Vorrichtung zur Steuerung eines Verdichters mit fixierter Kapazität

Title (fr)

Dispositif de commande d'un compresseur à capacité fixe

Publication

EP 2146154 B1 20150408 (FR)

Application

EP 09165149 A 20090710

Priority

FR 0804083 A 20080718

Abstract (en)

[origin: EP2146154A1] The device (13) has a comparing unit (14) constituted of an operational amplifier to compare measured values of characteristics such as downstream temperature (T1) and pressure (P), of fluid such as air (A) or refrigerant (FR), with corresponding minimum and maximum threshold values of the characteristics. An upstream temperature sensor (20) is arranged in upstream of an evaporator (12) along a flow direction (6) for measuring upstream temperature (T2) of an air flow (3) and delivering information (18) that is considered by the device for determining the threshold values. Independent claims are also included for the following: (1) a heating, ventilation and/or air conditioning system comprising an air conditioning loop (2) a method for controlling a fixed capacity compressor.

IPC 8 full level

F24F 11/00 (2006.01); **B60H 1/32** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)

F25B 49/022 (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2600/0251** (2013.01 - EP US); **F25B 2700/197** (2013.01 - EP US); **F25B 2700/21172** (2013.01 - EP US); **F25B 2700/21173** (2013.01 - EP US)

Cited by

CN110080971A

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2146154 A1 20100120; **EP 2146154 B1 20150408**; FR 2934018 A1 20100122; FR 2934018 B1 20100820; JP 2010023828 A 20100204; JP 5634688 B2 20141203; US 2010017038 A1 20100121; US 9157672 B2 20151013

DOCDB simple family (application)

EP 09165149 A 20090710; FR 0804083 A 20080718; JP 2009166381 A 20090715; US 50510709 A 20090717