

Title (en)

Method for monitoring of refrigeration system

Title (de)

Verfahren zur Überwachung eines Kühlsystems

Title (fr)

Procédé pour la surveillance d'un système de réfrigération

Publication

EP 1906290 A3 20091223 (EN)

Application

EP 07019022 A 20070927

Priority

SE 0602021 A 20060927

Abstract (en)

[origin: EP1906290A2] Method for using a sensor (11) and a receiver (12) for monitoring a refrigeration system which has a compressor (1) and a pipe (8) which comes from the compressor and which conveys refrigerant. According to the invention, a temperature detector (13) of the sensor is disposed on top of the pipe in order to indirectly measure the temperature of the refrigerant, and a processor (17) of the sensor is used to calculate an operating state value, a cycle time and a load factor for the compressor based on the measured temperature, after which the sensor sends these values to the receiver.

IPC 8 full level

F25B 49/00 (2006.01); **G05B 23/02** (2006.01)

CPC (source: EP SE)

F04C 28/28 (2013.01 - SE); **F25B 49/005** (2013.01 - EP SE); **F25B 49/022** (2013.01 - SE); **F25B 2500/19** (2013.01 - EP); **F25B 2600/0251** (2013.01 - EP); **F25B 2700/21152** (2013.01 - EP)

Citation (search report)

- [A] US 5381669 A 19950117 - BAHTEL VIJAY [US], et al
- [A] EP 1245913 A1 20021002 - COPELAND CORP [US]
- [A] US 5586445 A 19961224 - BESSLER WARREN F [US]

Cited by

DE102011103865A1; CN104676995A; CN113531803A; US9489341B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1906290 A2 20080402; **EP 1906290 A3 20091223**; **EP 1906290 B1 20110810**; AT E519996 T1 20110815; SE 0602021 L 20080328; SE 532152 C2 20091103

DOCDB simple family (application)

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