Title (en)

METHOD FOR EVALUATING A NON-MEASURED OPERATING VARIABLE IN A REFRIGERATION PLANT

Title (de)

VERFAHREN ZUM AUSWERTEN EINER NICHT GEMESSENEN BETRIEBSGRÖSSE IN EINER KÄLTEANLAGE

Title (fr)

PROCEDE D'EVALUATION D'UNE VARIABLE DE FONCTIONNEMENT NON MESUREE DANS UNE INSTALLATION FRIGORIFIQUE

Publication

**EP 1497598 B1 20061018 (DE)**

Application

**EP 03746813 A 20030412**

Priority

• DE 10217974 A 20020422
• DK 0300252 W 20030412

Abstract (en)

[origin: WO03089855A1] Disclosed is a method for evaluating a non-measured operating variable in a refrigeration plant, which can be derived from at least one signal which is scanned at specific points in time, enabling early recognition of errors. An error indicator is formed by means of the following steps:a) the error indicator is set to a specified value at a first moment in time; b) a sum is formed from the error indicator of a predetermined earlier moment in time and a first variable derived from an estimated value for the operating variable taking into account at least one signal-dependent variable; c) the error indicator is set to the value of the sum if the sum is greater than the specified value, and set to the specified value if the sum is less than or the same as the specified value.

IPC 8 full level

**F25B 49/00** (2006.01); **F25D 23/00** (2006.01); **F25B 49/02** (2006.01); **F25D 11/00** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)

F25D 29/008 (2013.01 - EP US); F25B 2500/19 (2013.01 - EP US); F25B 2700/1352 (2013.01 - EP US); F25B 2700/195 (2013.01 - EP US); F25B 2700/197 (2013.01 - EP US); F25B 2700/21163 (2013.01 - EP US); F25B 2700/21172 (2013.01 - EP US); F25B 2700/21173 (2013.01 - EP US); F25B 2700/21175 (2013.01 - EP US); F25D 2500/04 (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03089855 A1 20031030**; AT E343109 T1 20061115; AU 2003226944 A1 20031103; DE 10217974 A1 20031113; DE 10217974 B4 20040916; DK 1497598 T3 20070226; EP 1497598 A1 20050119; EP 1497598 B1 20061018; JP 2005527769 A 20050915; JP 3976735 B2 20070919; US 2005166608 A1 20050804; US 7650758 B2 20100126

DOCDB simple family (application)

**DK 0300252 W 20030412**; AT 03746813 T 20030412; AU 2003226944 A 20030412; DE 10217974 A 20020422; DK 03746813 T 20030412; EP 03746813 A 20030412; JP 2003586545 A 20030412; US 51220705 A 20050328