

Title (en)

METHOD FOR CONTROLLING OPERATION OF A COMPRESSOR

Title (de)

VERFAHREN ZUR STEUERUNG DES BETRIEBS EINES KOMPRESSORS

Title (fr)

PROCEDE PERMETTANT DE COMMANDER LE FONCTIONNEMENT D'UN COMPRESSEUR

Publication

**EP 1644640 A1 20060412 (DE)**

Application

**EP 04726849 A 20040410**

Priority

- EP 2004003840 W 20040410
- DE 10330121 A 20030704

Abstract (en)

[origin: WO2005003561A1] Disclosed is a method for controlling operation of a compressor, according to which the compressor is shut off by a control device in order to prevent thermal damages when an estimated temperature value Ts calculated by said control device exceeds an upper threshold value Tmax while the compressor remains on or is allowed to be turned on when there is a need for compression and a lower threshold value Tmin is not reached. In order to be able to more accurately estimate the estimated temperature and increase the thermal availability of the compressor, the estimated temperature value Ts is indirectly and cyclically determined by means of a mathematical-physical model that characterizes the cooling and heating properties of the compressor.

IPC 1-7

**F04B 49/06**; **F04B 49/10**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2005003561A1

Cited by

EP2395243A1; WO2012000703A1; WO2009153077A1; DE102008028781A1; DE102010017654A1; US9932978B2; DE102009003745A1

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