

Title (en)

METHOD AND CONTROL UNIT FOR OPERATING A LINEAR COMPRESSOR

Title (de)

VERFAHREN UND STEUERGERÄT ZUM BETREIBEN EINES LINEARVERDICHTERS

Title (fr)

PROCEDE ET APPAREIL DE COMMANDE DESTINE A COMMANDER UN COMPRESSEUR LINEAIRE

Publication

**EP 1991785 A1 20081119 (DE)**

Application

**EP 07726219 A 20070123**

Priority

- EP 2007050635 W 20070123
- DE 102006009231 A 20060228

Abstract (en)

[origin: DE102006009231A1] The power input by the linear compressor is determined to judge if the linear compressor is in an overloaded condition. The amplitude of motion of the linear compressor is also evaluated to determine the overloaded condition. The amplitude of motion of the linear compressor is reduced if the overloaded condition is determined. An independent claim is included for a controller for a linear compressor.

IPC 8 full level

**F04B 35/04** (2006.01); **F04B 49/06** (2006.01)

CPC (source: EP US)

**F04B 35/045** (2013.01 - EP US); **F04B 49/065** (2013.01 - EP US); **F04B 2201/0206** (2013.01 - EP US); **F04B 2203/0401** (2013.01 - EP US)

Citation (search report)

See references of WO 2007113015A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**DE 102006009231 A1 20070830**; CN 101389863 A 20090318; CN 101389863 B 20100818; EP 1991785 A1 20081119; RU 2008135719 A 20100410; RU 2413094 C2 20110227; US 2009155089 A1 20090618; US 8057190 B2 20111115; WO 2007113015 A1 20071011

DOCDB simple family (application)

**DE 102006009231 A 20060228**; CN 200780006933 A 20070123; EP 07726219 A 20070123; EP 2007050635 W 20070123; RU 2008135719 A 20070123; US 22451607 A 20070123