

Title (en)

METHOD FOR CONTROLLING A COMPRESSOR

Title (de)

VERFAHREN ZUR STEUERUNG EINES VERDICHTERS

Title (fr)

PROCÉDER POUR COMMANDER UN COMPRESSEUR

Publication

EP 2598754 A1 20130605 (DE)

Application

EP 11757265 A 20110909

Priority

- DE 102010040503 A 20100909
- EP 2011065662 W 20110909

Abstract (en)

[origin: WO2012032164A1] The invention relates to a method for controlling a compressor (10). In order to achieve high efficiency, it is proposed that the method have the following steps: a transmission of at least one nominal value (12) of a parameter (14) of the compressor (10), b determination of at least two actuation values (16, 18, 20, 90) of at least two actuating elements (22, 24, 26, 94) of the compressor (10) on the basis of the nominal value (12), c determination of a model-based theoretical state of the compressor (10) on the basis of the actuation values (16, 18, 20, 90), d iterative correction of at least one of the actuation values (16, 18, 20, 90) depending on the theoretical state, e control of at least one of the actuation elements (22, 24, 26, 94) on the basis of an actuation value (16, 18, 20, 90).

IPC 8 full level

F04D 27/00 (2006.01); **G05B 13/04** (2006.01)

CPC (source: EP US)

F04D 27/001 (2013.01 - EP US); **F04D 27/007** (2013.01 - US); **F04D 27/0284** (2013.01 - EP US); **F04D 27/0292** (2013.01 - EP US); **G05B 15/02** (2013.01 - EP US); **G05B 17/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2012032164A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010040503 A1 20120315; **DE 102010040503 B4 20120510**; CN 103097737 A 20130508; CN 103097737 B 20150603; EP 2598754 A1 20130605; RU 2013115761 A 20141020; RU 2570301 C2 20151210; US 2013173063 A1 20130704; WO 2012032164 A1 20120315

DOCDB simple family (application)

DE 102010040503 A 20100909; CN 201180043721 A 20110909; EP 11757265 A 20110909; EP 2011065662 W 20110909; RU 2013115761 A 20110909; US 201113820812 A 20110909