

Title (en)

METHOD AND APPARATUS FOR ESTIMATING OPERATING STATE OF POSITIVE DISPLACEMENT COMPRESSOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SCHÄTZUNG DES BETRIEBSZUSTANDS EINES VERDRÄNGERKOMPRESSORS

Title (fr)

PROCÉDÉ ET APPAREIL D'ESTIMATION D'ÉTAT DE FONCTIONNEMENT D'UN COMPRESSEUR À DÉPLACEMENT POSITIF

Publication

**EP 3168477 A1 20170517 (EN)**

Application

**EP 15193888 A 20151110**

Priority

EP 15193888 A 20151110

Abstract (en)

The present disclosure describes a method and an apparatus implementing the method for estimating an operating state of a positive displacement compressor. The method comprises an identification phase and an estimation phase. The identification phase comprises performing a plurality of identification runs to pressurize the pressure system. For each identification run, a characteristics curve is determined. The estimation phase comprises determining the operating state of the compressor on the basis of the determined characteristics curves.

IPC 8 full level

**F04C 28/00** (2006.01); **F04C 18/16** (2006.01); **F04C 28/08** (2006.01)

CPC (source: EP)

**F04C 28/00** (2013.01); **F04C 28/08** (2013.01); **F04B 2203/0208** (2013.01); **F04B 2203/0209** (2013.01); **F04B 2203/0408** (2013.01); **F04B 2203/0409** (2013.01); **F04B 2205/06** (2013.01); **F04C 18/16** (2013.01); **F04C 2270/02** (2013.01); **F04C 2270/05** (2013.01); **F04C 2270/18** (2013.01); **F04C 2270/44** (2013.01)

Citation (search report)

- [I] EP 2853822 A1 20150401 - ABB OY [FI]
- [A] EP 2505846 A1 20121003 - ABB OY [FI]
- [A] US 2013236331 A1 20130912 - HUTCHINSON WILLIAM ROGER [US]
- [A] EP 2589813 A1 20130508 - REGAL BELOIT EPC INC [US]

Cited by

EP3409953A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3168477 A1 20170517**

DOCDB simple family (application)

**EP 15193888 A 20151110**