

Title (en)

HIGH AVAILABILITY COMPRESSOR FOR A GAS COMPRESSION SYSTEM

Title (de)

HOCHVERFÜGBARER VERDICHTER FÜR EIN GASKOMPRESSIONSSYSTEM

Title (fr)

COMPRESSEUR À HAUTE DISPONIBILITÉ POUR UN SYSTÈME DE COMPRESSION DE GAZ

Publication

EP 3359820 A1 20180815 (EN)

Application

EP 15787145 A 20151007

Priority

EP 2015073127 W 20151007

Abstract (en)

[origin: WO2017059897A1] A method is disclosed for controlling at least one compressor (13) in a gas compression system (60), the compressor being driven by an electric motor (3) powered by a drive (2). The method further comprises obtaining measurements of one or more process variables (21) for the compressor and/or compression system from sensors mounted in the compressor or the gas compression system and obtaining a value of at least one electrical parameter (31) from the drive (2) and/or the electric motor (3). Further an estimation (35) of at least one process variable is calculated and compared with a measurement of the process variable (q). The measurement is then either validated or else replaced with the estimated value (q est) of the process variable. A computer program for carrying out the method and a compressor and compression systems employing the method are also disclosed.

IPC 8 full level

F04D 27/00 (2006.01); **F04D 27/02** (2006.01); **G05B 17/02** (2006.01)

CPC (source: EP)

F04D 27/001 (2013.01); **F04D 27/02** (2013.01)

Citation (search report)

See references of WO 2017059897A1

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)

WO 2017059897 A1 20170413; AU 2015411533 A1 20180419; AU 2015411533 B2 20190530; EP 3359820 A1 20180815; EP 3359820 B1 20191204

DOCDB simple family (application)

EP 2015073127 W 20151007; AU 2015411533 A 20151007; EP 15787145 A 20151007