

Title (en)

METHOD FOR CONTROLLING THE SPEED OF A COMPRESSOR/VACUUM PUMP

Title (de)

VERFAHREN ZUR REGELUNG DER GESCHWINDIGKEIT EINES VERDICHTERS/EINER VAKUUMPUMPE

Title (fr)

PROCÉDÉ POUR COMMANDER LA VITESSE D'UN COMPRESSEUR/POMPE À VIDE

Publication

EP 3245403 A1 20171122 (EN)

Application

EP 16712187 A 20160107

Priority

- US 201562103723 P 20150115
- US 201562103761 P 20150115
- BE 201505072 A 20150211
- BE 201505073 A 20150211
- BE 2016000004 W 20160107

Abstract (en)

[origin: EP4027016A1] The present invention is directed to a method for regulating the speed of a compressor/vacuum element, said method comprising the steps of:- starting the compressor/vacuum element (1);- regulating the pressure within the compressor/vacuum element (1) by adjusting the volume of fluid flowing between a process channel (4) and the compressor/vacuum element (1) relative to the difference between the pressure value within said compressor/vacuum element (1) and a preset pressure value;characterized in that the method further comprises the steps of:- connecting the compressor/vacuum element (1) to a process channel (4) after the speed of the compressor/vacuum element (1) reaches a preset speed value; and- adjusting the speed of the compressor/vacuum element (1) such that the power of the compressor/vacuum element (1) is maintained at a relatively constant value.

IPC 8 full level

F04C 28/24 (2006.01); **F04C 25/02** (2006.01); **F04C 28/28** (2006.01); **F04C 29/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: CN EP)

F04C 25/02 (2013.01 - CN EP); **F04C 28/06** (2013.01 - EP); **F04C 28/08** (2013.01 - EP); **F04C 28/24** (2013.01 - CN EP); **F04C 28/28** (2013.01 - CN EP); **F04C 29/0092** (2013.01 - EP); **F04C 29/12** (2013.01 - CN); **F04C 2270/0525** (2013.01 - CN); **F04C 2270/19** (2013.01 - EP)

Citation (search report)

See references of WO 2016112441A1

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 4027016 A1 20220713; EP 3245403 A1 20171122; EP 3245403 B1 20220309

DOCDB simple family (application)

EP 22159108 A 20160107; EP 16712187 A 20160107