Title (en)

METHOD FOR CHECKING A PARAMETER CORRELATING WITH A PRESSURE IN A PRESSURE-DEPENDENT FLUID-CONVEYING SYSTEM, CONTROL DEVICE AND FLUID-CONVEYING SYSTEM

Title (de)

VERFAHREN ZUR ÜBERPRÜFUNG EINES MIT EINEM DRUCK KORRELIERENDEN PARAMETERS IN EINEM DRUCKABHÄNGIGEN FLUIDFÖRDERSYSTEM, STEUERGERÄT UND FLUIDFÖRDERSYSTEM

Title (fr)

PROCÉDÉ DE CONTRÔLE D'UN PARAMÈTRE CORRÉLÉ À UNE PRESSION DANS UN SYSTÈME DE TRANSPORT DE FLUIDE DÉPENDANT DE LA PRESSION, DISPOSITIF DE COMMANDE ET SYSTÈME DE TRANSPORT DE FLUIDE

Publication

EP 3215729 A1 20170913 (DE)

Application

EP 15788054 A 20151102

Priority

• DE 102014222404 A 20141103
• EP 2015075476 W 20151102

Abstract (en)

[origin: WO2016071288A1] The invention relates to a method for checking a parameter correlating with a pressure in a pressure-dependent fluid-conveying system (10). The fluid-conveying system (10) comprises a current-controlled electric motor, which is controlled by the motor control device, and a fluid pump that is driven by the electric motor. The method comprises the step of determining of a rotary speed of the electric motor. Usually, an electric motor current is determined in a further step. A pressure value is calculated as a function of the rotary speed and the current. The calculated value is compared with the parameter. The invention further relates to a control device and a fluid-conveying system (10).

IPC 8 full level

F02D 41/30 (2006.01)

CPC (source: CN EP US)

F02D 41/3082 (2013.01 - CN EP US); **F02M 37/08** (2013.01 - CN EP US); F02D 41/221 (2013.01 - CN EP US); F02D 2041/2058 (2013.01 - CN EP US); F02D 2041/224 (2013.01 - CN EP US); F02D 2041/225 (2013.01 - CN EP US); F02D 2200/0604 (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016071288A1

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)

DE 102014222404 A1 20160504; CN 107002607 A 20170801; EP 3215729 A1 20170913; US 2017335788 A1 20171123; WO 2016071288 A1 20160512

DOCDB simple family (application)

DE 102014222404 A 20141103; CN 201580063629 A 20151102; EP 15788054 A 20151102; EP 2015075476 W 20151102; US 201515523878 A 20151102