Title (en)

METHOD FOR OPERATING A VARIABLE-SPEED ADJUSTABLE PUMP

Title (de)

VERFAHREN ZUM BETREIBEN EINER DREHZAHLVARIABLEN VERSTELLPUMPE

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE POMPE À DÉBIT VARIABLE À VITESSE VARIABLE

Publication

EP 3839256 B1 20220824 (DE)

Application

EP 20213692 A 20201214

Priority

DE 102019220322 A 20191220

Abstract (en)

[origin: CN113007055A] The invention relates to a method for operating a variable-speed control pump. In the method, a delivery mechanism (122), which can be adjusted in a displacement per working cycle, is driven by means of a variable-speed drive (121), at least one variable is controlled to a target value (psoll) by specifying a rotational speed target value (nsoll) for the rotational speed of the drive and a target value ([alpha] soll) for determining a characteristic variable of the displacement for each operating cycle, wheren when the target value ([alpha] soll) of the characteristic variable for determining the displacement for each operating cycle is changed, the target rotational speed value (nsoll) is adapted by pre-control.

IPC 8 full level

F03C 1/06 (2006.01); **F03C 1/26** (2006.01); **F04B 1/26** (2006.01); **F04B 1/32** (2020.01); **F04B 1/324** (2020.01); **F04B 49/06** (2006.01); **F04B 49/20** (2006.01); **F15B 11/042** (2006.01)

CPC (source: CN EP)

F04B 1/26 (2013.01 - CN EP); **F04B 1/32** (2013.01 - EP); **F04B 1/324** (2013.01 - EP); **F04B 49/065** (2013.01 - EP); **F04B 49/20** (2013.01 - EP); **F15B 11/0423** (2013.01 - EP); F04B 2203/0209 (2013.01 - EP); F15B 2211/20515 (2013.01 - EP); F15B 2211/20546 (2013.01 - EP); F15B 2211/20561 (2013.01 - EP); F15B 2211/27 (2013.01 - EP); F15B 2211/6309 (2013.01 - EP); F15B 2211/633 (2013.01 - EP); F15B 2211/6333 (2013.01 - EP); F15B 2211/6651 (2013.01 - EP); F15B 2211/6652 (2013.01 - EP); F15B 2211/6653 (2013.01 - EP); F15B 2211/6654 (2013.01 - EP); F15B 2211/6656 (2013.01 - EP); F15B 2211/7656 (2013.01 - EP)

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)

EP 3839256 A1 20210623; **EP 3839256 B1 20220824**; CN 113007055 A 20210622; DE 102019220322 A1 20210624

DOCDB simple family (application)

EP 20213692 A 20201214; CN 202011508905 A 20201218; DE 102019220322 A 20191220