

Title (en)
VARIABLE-DISPLACEMENT HYDRAULIC MOTOR HAVING AN APPARATUS FOR CONTROLLING THE VARIATION IN POSITION OF AN ECCENTRIC CAM OF THE MOTOR AND METHOD FOR CONTROLLING THE VARIATION IN POSITION OF THE ECCENTRIC CAM OF THE VARIABLE-DISPLACEMENT HYDRAULIC MOTOR

Title (de)
HYDRAULISCHER VERSTELLMOTOR MIT EINER VORRICHTUNG ZUR STEUERUNG DER POSITIONSÄNDERUNG EINES EXZENTRISCHEN NOCKENS DES MOTORS UND VERFAHREN ZUR STEUERUNG DER POSITIONSÄNDERUNG DES EXZENTRISCHEN NOCKENS DES HYDRAULISCHEN VERSTELLMOTORS

Title (fr)
MOTEUR HYDRAULIQUE À CYLINDRÉE VARIABLE COMPORTANT UN DISPOSITIF POUR COMMANDER LA VARIATION DE POSITION D'UNE CAME EXCENTRIQUE DU MOTEUR ET PROCÉDÉ POUR COMMANDER LA VARIATION DE POSITION DE LA CAME EXCENTRIQUE DU MOTEUR HYDRAULIQUE À CYLINDRÉE VARIABLE

Publication
EP 3358181 A1 20180808 (EN)

Application
EP 18154986 A 20180202

Priority
IT 201700012623 A 20170206

Abstract (en)
Apparatus for controlling the position of an eccentric cam (306) of a shaft of a variable-displacement hydraulic motor (300), which comprises:
- a control and command unit (200), which is feedback-connected between points for detecting one or more existing operating parameters (320a,320b,320c) of the motor (300) and points for entering set parameters (250a,250b,250c) for the one or more existing operating parameters of the motor and which is designed to control operation of a unit (100) for actuating the eccentric cam (306) connected to the shaft of the motor (300), the actuating unit being inserted in the hydraulic circuit (120) of means (350) for moving said eccentric cam (306), wherein said actuating unit (100) comprises a direct-control electrovalve (110) driven by variable-duration pulses emitted by the control and command unit (200) depending on the difference between an existing value (320,320b320c) detected and a desired stored (262) value (250a,250b,250c) of one of said parameters.

IPC 8 full level
F03C 1/053 (2006.01); **F03C 1/28** (2006.01); **F03C 1/32** (2006.01); **F03C 1/40** (2006.01); **F04B 1/0408** (2020.01); **F04B 1/0421** (2020.01); **F04B 1/0531** (2020.01); **F04B 1/07** (2006.01); **F04B 1/113** (2020.01); **F04B 49/06** (2006.01); **F04B 49/12** (2006.01)

CPC (source: EP US)
F03C 1/0406 (2013.01 - EP); **F03C 1/0415** (2013.01 - EP); **F03C 1/046** (2013.01 - EP); **F03C 1/053** (2013.01 - EP); **F04B 1/0408** (2013.01 - EP); **F04B 1/0421** (2013.01 - EP); **F04B 1/0531** (2013.01 - EP); **F04B 1/07** (2013.01 - EP US); **F04B 1/113** (2013.01 - EP US); **F04B 49/065** (2013.01 - EP US); **F04B 49/125** (2013.01 - EP US)

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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 3358181 A1 20180808; EP 3358181 B1 20200701; IT 201700012623 A1 20180806

DOCDB simple family (application)
EP 18154986 A 20180202; IT 201700012623 A 20170206