

Title (en)  
CONTROL DEVICE FOR PUMPS

Title (de)  
STEUERUNGSVORRICHTUNG FÜR PUMPEN

Title (fr)  
DISPOSITIF DE COMMANDE POUR POMPES

Publication  
**EP 3540225 A1 20190918 (EN)**

Application  
**EP 19162490 A 20190313**

Priority  
IT 201800003542 A 20180314

Abstract (en)  
Described is a control device (1) for pumps, comprising a hollow body (5) connected to an end of a flexible element (10), an orientation sensor (15) positioned on the hollow body (5) and configured for measuring an angle of it relative to a horizontal plane and switching it into a electric output signal, a control unit (16) positioned at the hollow body (5) and connected to the orientation sensor (15) in such a way as to receive the output signal, a power supply terminal (17a, 17b) connected to the control unit (16) and configured for connecting it to a source of electrical power (102) and a control terminal (18) connected to the control unit (16), wherein the control unit (16) is configured to determine in the control terminal (18) a power current for actuating an electric pump (101) as a function of the output signal coming from the orientation sensor (15).

IPC 8 full level  
**F04B 49/025** (2006.01); **F04D 15/02** (2006.01); **H01H 35/18** (2006.01)

CPC (source: CN EP)  
**F04B 49/025** (2013.01 - EP); **F04B 49/04** (2013.01 - CN); **F04B 49/06** (2013.01 - CN); **F04D 15/0218** (2013.01 - EP); **H01H 35/186** (2013.01 - EP)

Citation (applicant)  
DE 3610984 A1 19871008 - BLUM ALBERT [DE]

Citation (search report)

- [A] DE 3610984 A1 19871008 - BLUM ALBERT [DE]
- [A] WO 2015193784 A1 20151223 - XYLEM IP MAN S À R L [LU]
- [A] FR 2997203 A1 20140425 - CRETAZ ROBERT ANTOINE RENE [FR]
- [A] DE 1287187 B 19690116 - HOLLESENS FABRIKKER A S H

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 3540225 A1 20190918**; **EP 3540225 B1 20201021**; CN 110273831 A 20190924; IT 201800003542 A1 20190914

DOCDB simple family (application)  
**EP 19162490 A 20190313**; CN 201910194931 A 20190314; IT 201800003542 A 20180314