

Title (en)

Digital control method for a hydraulic ON/OFF valve

Title (de)

Digitales Steuerungsverfahren für ein hydraulisches Ein-/Aus-Ventil

Title (fr)

Procédé de commande numérique pour soupape marche/arrêt hydraulique

Publication

EP 2642133 A1 20130925 (EN)

Application

EP 12002076 A 20120323

Priority

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Abstract (en)

The invention relates to a digital control method for a hydraulic ON/OFF valve, wherein the ON/OFF valve is controlled by a digital control signal (v), wherein the digital control signal has a number of successive cycles (T_j , T_{j+1}), wherein each cycle of the number of successive cycles has a pulse lasting a variable pulse period (t_i) and a pause lasting a variable pause period (t_p), wherein the pause period (t_p) of each cycle is set taking into account the time when the ON/OFF valve reaches the OFF state after the pulse of the cycle.

IPC 8 full level

F15B 19/00 (2006.01)

CPC (source: EP)

F15B 19/002 (2013.01)

Citation (applicant)

WO 02086327 A1 20021031 - LINJAMA MATTI [FI]

Citation (search report)

- [X1] US 4230376 A 19801028 - BREARLEY MALCOLM, et al
- [A] US 2002135229 A1 20020926 - OHTSU NOBUYUKI [JP]
- [AD] WO 02086327 A1 20021031 - LINJAMA MATTI [FI]

Cited by

SE541429C2; AU2015359243B2; US11428248B2; WO2016092150A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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