

Title (en)

GARDEN PUMP ARRANGEMENT HAVING A FLOW SENSOR

Title (de)

GARTENPUMPENANORDNUNG MIT DURCHFLUSSSENSOR

Title (fr)

ENSEMBLE POMPE DE JARDIN POURVU D'UN CAPTEUR DE DÉBIT

Publication

EP 2591236 B1 20160420 (DE)

Application

EP 10728704 A 20100707

Priority

EP 2010059741 W 20100707

Abstract (en)

[origin: WO2012003870A1] For a garden pump that is automatically switched off by means of a flow sensor that detects a minimum flow rate, a delay time between the time at which the flow rate falls below the minimum flow rate and the time at which the drive motor is switched off is set to at least 1.5 minutes, and after the drive motor has been switched off due to the flow rate falling below the minimum flow rate, the drive motor can be switched back on regardless of pressure by means of a control element to be operated by the user. Thus, the control device is made considerably simpler and cheaper compared to known embodiments that automatically switch back on when the pressure falls below a lower pressure threshold, and the loading of the electrical part of the pump is reduced and the service life of said electrical part is increased.

IPC 8 full level

F04B 17/03 (2006.01); **F04B 49/02** (2006.01); **F04B 49/06** (2006.01); **F04D 15/02** (2006.01)

CPC (source: EP)

F04B 17/03 (2013.01); **F04B 49/022** (2013.01); **F04B 49/065** (2013.01); **F04D 15/0209** (2013.01); **F04D 15/0218** (2013.01); **F04B 2205/09** (2013.01)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2012003870 A1 20120112; EP 2591236 A1 20130515; EP 2591236 B1 20160420

DOCDB simple family (application)

EP 2010059741 W 20100707; EP 10728704 A 20100707