

Title (en)  
Hydraulic control device

Title (de)  
Hydraulische Steuervorrichtung

Title (fr)  
Dispositif de commande hydraulique

Publication  
**EP 2103813 B1 20110518 (DE)**

Application  
**EP 08005381 A 20080320**

Priority  
EP 08005381 A 20080320

Abstract (en)  
[origin: EP2103813A1] The line (1, 1') associated with the hydraulic consumer (H) includes a dosing unit (D). This exploits hydraulic medium compressibility, to supply small, controlled doses of hydraulic fluid. The dosing unit includes two hydraulic valves (G1, G2, V1, V2). These are connected in series, in upstream and downstream positions, with a dead space (T), e.g. a sealed container (6) or a line section between them. Each valve can be switched between a leakage-free closed position and a through-flow position. They are switched between these positions in alternation, during dosing. An independent claim IS INCLUDED FOR the corresponding method of adjusting a solar panel or machine actuator (claimed).

IPC 8 full level  
**F15B 11/08** (2006.01); **F24S 50/20** (2018.01); **F15B 11/12** (2006.01); **F15B 11/13** (2006.01)

CPC (source: EP US)  
**F15B 11/08** (2013.01 - EP US); **F15B 11/128** (2013.01 - EP US); **F15B 11/13** (2013.01 - EP US); **F15B 2211/305** (2013.01 - EP US); **F15B 2211/30565** (2013.01 - EP US); **F15B 2211/3138** (2013.01 - EP US); **F15B 2211/31511** (2013.01 - EP US); **F15B 2211/31529** (2013.01 - EP US); **F15B 2211/31558** (2013.01 - EP US); **F15B 2211/35** (2013.01 - EP US); **F15B 2211/625** (2013.01 - EP US); **F15B 2211/765** (2013.01 - EP US); **F15B 2211/8855** (2013.01 - EP US)

Designated contracting state (EPC)  
DE ES

DOCDB simple family (publication)  
**EP 2103813 A1 20090923**; **EP 2103813 B1 20110518**; ES 2363877 T3 20110818; US 2009235921 A1 20090924; US 8245507 B2 20120821

DOCDB simple family (application)  
**EP 08005381 A 20080320**; ES 08005381 T 20080320; US 40749609 A 20090319