

Title (en)

Hydraulic drive for a hydraulically actuated tool

Title (de)

Hydraulikantrieb für ein hydraulisch betätigbares Werkzeug

Title (fr)

Entraînement hydraulique pour un outil pouvant être actionné hydrauliquement

Publication

EP 2711560 B1 20190612 (DE)

Application

EP 12185472 A 20120921

Priority

EP 12185472 A 20120921

Abstract (en)

[origin: EP2711560A1] The drive (H) has a switching valve (U) comprising a working force/pressure control function. The valve responds counter to spring force and depending on pressure and/or through flow volume. The switching valve takes a through flow position when the pressure source is cut off or switched off to connect an actuation chamber of a hydro consumer (2) through a bore with the tank for a return stroke of the hydroconsumer. The hydroconsumer is stopped during the return stroke hydraulically through the pressure source by a pressure pulse and a through flow volume pulse. An independent claim is also included for a hydraulically operable working tool.

IPC 8 full level

F15B 11/042 (2006.01)

CPC (source: EP US)

F15B 11/0423 (2013.01 - EP US); **F15B 15/20** (2013.01 - US); **F15B 2211/50536** (2013.01 - EP US)

Cited by

CN111566357A; EP3078456A1; WO2019121416A1

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

DOCDB simple family (publication)

EP 2711560 A1 20140326; EP 2711560 B1 20190612; US 2014083085 A1 20140327; US 9360028 B2 20160607

DOCDB simple family (application)

EP 12185472 A 20120921; US 201313845583 A 20130318