

Title (en)

Valve arrangement and method of controlling a double-acting hydraulic consumer

Title (de)

Ventilanordnung und Verfahren zur Ansteuerung eines doppeltwirkenden Verbrauchers

Title (fr)

Assemblage de vannes et méthode de contrôle d'un consommateur hydraulique à double effet

Publication

EP 1672225 B1 20110727 (DE)

Application

EP 05110768 A 20051115

Priority

- DE 102004062348 A 20041220
- DE 102005005314 A 20050204

Abstract (en)

[origin: EP1672225A2] The arrangement has a direction control valve (14) forming a metering orifice. The control valve is attached to an individual pressure scale (12) for keeping the pressure constant over the orifice. The scale is switched into a locking position in a predetermined operating condition of the load. A pilot valve (13) subjects a control surface of a control piston with the pressure from a pressurizing medium source for switching the scale. An independent claim is also included for a method for controlling a double acting consumer, in particular, a hoisting gear of a mobile implement.

IPC 8 full level

F15B 11/05 (2006.01); **F15B 11/16** (2006.01)

CPC (source: EP)

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Cited by

DE102017219942A1; EP2064933A1; CN103547812A; US2018153101A1; US10624263B2; US2022242295A1; US11654815B2; DE102018221288A1; US10820471B2; US10820470B2; WO2012123056A1

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