

Title (en)

Electronic-hydraulic hoisting gear regulation system

Title (de)

Elektronisch-hydraulisches Hubwerksregelsystem

Title (fr)

Système de réglage d'un dispositif de levage hydro-électronique

Publication

EP 2597209 B1 20160316 (DE)

Application

EP 11190345 A 20111123

Priority

EP 11190345 A 20111123

Abstract (en)

[origin: EP2597209A1] The system (E) has a 2/2-lifting-pressure regulating valve (18) provided between a pump (10) e.g. variable pump, and a node (17) of a working line (7) in a seat valve assembly with proportional magnets (20) and a load pressure-independent pressure control (21). A 2/2-black/white-magnetic valve (37) is arranged in a load pressure signal circuit portion (36) that branches between the pressure regulating valve and node. The magnetic valve is closed with adjusted float position function and energized proportional magnets (30) of a 2/2-lowering-pressure regulating valve (27).

IPC 8 full level

E02F 9/22 (2006.01); **F15B 11/00** (2006.01)

CPC (source: EP)

E02F 9/2203 (2013.01); **E02F 9/2235** (2013.01); **E02F 9/2296** (2013.01); **F15B 11/006** (2013.01); **F15B 11/055** (2013.01); **F15B 2211/20546** (2013.01); **F15B 2211/30575** (2013.01); **F15B 2211/3144** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/50518** (2013.01); **F15B 2211/6057** (2013.01); **F15B 2211/7052** (2013.01); **F15B 2211/7741** (2013.01)

Cited by

US11624377B1; CN114365314A; WO2021004714A1

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 2597209 A1 20130529; EP 2597209 B1 20160316

DOCDB simple family (application)

EP 11190345 A 20111123