

Title (en)
LIFTING GEAR VALVE ARRANGEMENT

Title (de)
HUBWERKSVENTILANORDNUNG

Title (fr)
SYSTEME DE SOUPAPES DE MECANISME DE LEVAGE

Publication
EP 1766146 B2 20200325 (DE)

Application
EP 05772453 A 20050706

Priority
• EP 2005007308 W 20050706
• DE 102004033315 A 20040709

Abstract (en)
[origin: US2007277519A1] Disclosed is a lifting gear valve arrangement for controlling a double-action lifting gear or an add-on unit with a continuously adjustable directional control valve and with an individual pressure compensator via which a pressure medium volume flow to and from a lifting cylinder of the lifting gear can be controlled. A proportionally adjustable pressure limiting valve is provided in the pressure medium flow path between an outlet connection of the directional control valve and a working connection of the lifting gear valve arrangement, via which the pressure inside this area can be limited to a maximum value. The adjustment of the pressure limiting valve is preferably performed as a function of the operating states of the lifting gear or of the type of add-on unit.

IPC 8 full level
E02F 9/22 (2006.01); **F15B 11/028** (2006.01); **F15B 11/05** (2006.01)

CPC (source: EP US)
E02F 9/2203 (2013.01 - EP US); **E02F 9/2228** (2013.01 - EP US); **E02F 9/2296** (2013.01 - EP US); **F15B 11/028** (2013.01 - EP US); **F15B 11/05** (2013.01 - EP US); **F15B 11/15** (2013.01 - EP US); **F15B 13/0417** (2013.01 - EP US); **F15B 2211/20553** (2013.01 - EP US); **F15B 2211/30535** (2013.01 - EP US); **F15B 2211/30545** (2013.01 - EP US); **F15B 2211/3111** (2013.01 - EP US); **F15B 2211/327** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/50518** (2013.01 - EP US); **F15B 2211/50536** (2013.01 - EP US); **F15B 2211/5153** (2013.01 - EP US); **F15B 2211/526** (2013.01 - EP US); **F15B 2211/528** (2013.01 - EP US); **F15B 2211/55** (2013.01 - EP US); **F15B 2211/57** (2013.01 - EP US); **F15B 2211/6051** (2013.01 - EP US); **F15B 2211/63** (2013.01 - EP US); **F15B 2211/6653** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US)

Citation (opposition)
Opponent :
BOSCH REXROTH AG: "LUDV Steuerblock in Mono-/Scheibenbauweise Type M7-22", BOSCH REXROTH RD 64 295, 7 February 2003 (2003-02-07), pages 1 - 16

Designated contracting state (EPC)
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