

Title (en)
LIFTING GEAR VALVE ARRANGEMENT

Title (de)
HUBWERKSVENTILANORDNUNG

Title (fr)
SYSTEME DE SOUPAPES DE MECANISME DE LEVAGE

Publication
EP 1766146 A1 20070328 (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 (search report)
See references of WO 2006005496A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2007277519 A1 20071206; US 8020485 B2 20110920; AT E524617 T1 20110915; DE 102004033315 A1 20060209; EP 1766146 A1 20070328; EP 1766146 B1 20110914; EP 1766146 B2 20200325; WO 2006005496 A1 20060119

DOCDB simple family (application)
US 57173005 A 20050706; AT 05772453 T 20050706; DE 102004033315 A 20040709; EP 05772453 A 20050706; EP 2005007308 W 20050706