

Title (en)

METHOD FOR CONTROLLING A LIFTING GEAR VALVE SYSTEM

Title (de)

VERFAHREN ZUR ANSTEUERUNG EINER HUBWERKSVENTILANORDNUNG

Title (fr)

PROCEDE DE COMMANDE D'UN SYSTEME A VANNES POUR DISPOSITIF DE LEVAGE

Publication

EP 1766246 B1 20090318 (DE)

Application

EP 05755931 A 20050701

Priority

- EP 2005007104 W 20050701
- DE 102004033316 A 20040709

Abstract (en)

[origin: WO2006005450A1] The invention relates to a method for controlling the valve system for a double-acting lifting gear of a movable working machine or an add-on device comprising a hydraulic cylinder (6) connectable to a pump (38) through a control valve (44) and a pressure regulator (42) in such a way that it is liftable and lowerable. A pressure limiting valve (56) which is adjustable by a maximum bearing pressure is disposed in the pressure medium flow-path between the control valve (44) and the hydraulic cylinder (6). According to the invention, the lifting gear is lowerable in such a way that said maximum bearing pressure is attained and the lifting gear is stopped. When the lifting gear is stopped and a lowering signal is applied to the control valve (44), the motion monitoring is re-started in such a way that the bearing pressure is maintained substantially constant even in the case of an uneven ground or the like. The motion monitoring is over when a setting value returned to the initial value on the control unit.

IPC 8 full level

F15B 11/028 (2006.01); **A01B 63/114** (2006.01)

CPC (source: EP)

F15B 11/028 (2013.01); **F15B 2211/20553** (2013.01); **F15B 2211/30535** (2013.01); **F15B 2211/30545** (2013.01); **F15B 2211/3111** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/329** (2013.01); **F15B 2211/50518** (2013.01); **F15B 2211/50536** (2013.01); **F15B 2211/5153** (2013.01); **F15B 2211/526** (2013.01); **F15B 2211/528** (2013.01); **F15B 2211/55** (2013.01); **F15B 2211/57** (2013.01); **F15B 2211/6051** (2013.01); **F15B 2211/63** (2013.01); **F15B 2211/6653** (2013.01); **F15B 2211/7053** (2013.01)

Cited by

EP2696080A1

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)

DE 102004033316 A1 20060209; AT E426099 T1 20090415; DE 502005006883 D1 20090430; EP 1766246 A1 20070328; EP 1766246 B1 20090318; WO 2006005450 A1 20060119

DOCDB simple family (application)

DE 102004033316 A 20040709; AT 05755931 T 20050701; DE 502005006883 T 20050701; EP 05755931 A 20050701; EP 2005007104 W 20050701