

Title (en)

DEVICE FOR INCREASING THE PRESSURE IN CYLINDERS USING A CONTROL DEVICE

Title (de)

VORRICHTUNG ZUR DRUCKERHÖHUNG IN ZYLINDERN MIT SCHALTEINRICHTUNG

Title (fr)

DISPOSITIF DESTINE A AUGMENTER LA PRESSION DANS DES CYLINDRES, AVEC EQUIPEMENT DE COMMUTATION

Publication

EP 2291586 A1 20110309 (DE)

Application

EP 08773265 A 20080617

Priority

DE 2008000982 W 20080617

Abstract (en)

[origin: WO2009152786A1] In order to increase the pressure of the pressure fluid in cylinders, particularly the hydraulic longwall working in underground mining and tunneling, a control device (21) is used, which is provided with appropriately controllable, unlockable check valves (29, 30) and also (25), and a lockable check valve (31). These check valves and the associated directional control valves create the possibility to fill not only the proper cylinder chamber (20), but also the piston rod space (26) enabling rewashing with pressure fluid in a targeted manner, or to appropriately reduce the pressurization, without the risk of mutual impact or seizing or other damage occurring.

IPC 8 full level

F15B 3/00 (2006.01)

CPC (source: EP)

E21D 23/16 (2013.01); **F15B 3/00** (2013.01); **F15B 2211/214** (2013.01); **F15B 2211/30505** (2013.01)

Citation (search report)

See references of WO 2009152786A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009152786 A1 20091223; DE 112008003985 A5 20110609; EP 2291586 A1 20110309; EP 2291586 B1 20120530; PL 2291586 T3 20121130

DOCDB simple family (application)

DE 2008000982 W 20080617; DE 112008003985 T 20080617; EP 08773265 A 20080617; PL 08773265 T 20080617