

Title (en)
REGULATING DEVICE FOR HYDRAULIC WORKING TOOLS

Title (de)
REGELVORRICHTUNG FÜR HYDRAULISCHE ARBEITSGERÄTE

Title (fr)
DISPOSITIF DE REGLAGE DESTINE A DES APPAREILS HYDRAULIQUES

Publication
EP 1084349 A2 20010321 (DE)

Application
EP 99924562 A 19990608

Priority

- AT 9900145 W 19990608
- AT 39298 U 19980612

Abstract (en)
[origin: WO9966212A2] The invention describes a regulating device for at least two working tools (2, 3) operated with a hydraulic fluid, more particularly, hydraulic oil (7), e.g. cutters (4), expanders (7) used in mining, etc. each of which includes a tool (2, 3), a supply circuit (10, 11) for the hydraulic fluid (6) and at least one pressure generating device (9). At least one control device (15) formed by a control valve (23, 24) is mounted in the supply circuits (10, 11) for the working tool (2, 3). If required, fluid connection of the control valves (23, 24) is made possible through at least one connecting channel (25) or a connecting line.

IPC 1-7
F15B 11/17; F15B 13/06; E21F 11/00

IPC 8 full level
E21F 11/00 (2006.01); **F15B 11/17** (2006.01); **F15B 13/06** (2006.01)

CPC (source: EP US)
E21F 11/00 (2013.01 - EP US); **F15B 11/17** (2013.01 - EP US); **F15B 13/06** (2013.01 - EP US); **F15B 2211/20576** (2013.01 - EP US); **F15B 2211/30595** (2013.01 - EP US); **F15B 2211/71** (2013.01 - EP US)

Citation (search report)
See references of WO 9966212A2

Cited by
WO2012019758A1; DE112007002818B4; AT516181A4; AT516181B1; EP3012463A1; US8496449B2; US10041508B2; DE102010034187A1

Designated contracting state (EPC)
AT DE FR GB NL

DOCDB simple family (publication)
WO 9966212 A2 19991223; **WO 9966212 A3 20000406**; AT 3018 U1 19990825; AT E228616 T1 20021215; AU 4121499 A 20000105; DE 59903552 D1 20030109; EP 1084349 A2 20010321; EP 1084349 B1 20021127; US 6578357 B1 20030617

DOCDB simple family (application)
AT 9900145 W 19990608; AT 39298 U 19980612; AT 99924562 T 19990608; AU 4121499 A 19990608; DE 59903552 T 19990608; EP 99924562 A 19990608; US 71919501 A 20010207