

Title (en)
Hydraulic system and mobile construction machine

Title (de)
Hydrauliksystem sowie mobile Baumaschine

Title (fr)
Système hydraulique et engin de construction mobile

Publication
EP 2251550 A3 20131106 (DE)

Application
EP 10004221 A 20100421

Priority
DE 202009006299 U 20090429

Abstract (en)
[origin: CA2701473A1] The present invention relates to a hydraulic system having at least two piston-in-cylinder units, at least one equalization line for the pressure equalization between the piston-in-cylinder units and the control pistons, with one respective control piston being associated with a connection of a piston-in-cylinder unit and with at least one 2-way flow regulation valve with a check valve function being in communication with the at least one equalization line.

IPC 8 full level
F15B 11/22 (2006.01); **E02F 3/42** (2006.01); **F15B 20/00** (2006.01)

CPC (source: EP US)
E02F 9/2203 (2013.01 - EP US); **F15B 11/22** (2013.01 - EP US); **F15B 20/005** (2013.01 - EP US); **F15B 2211/40553** (2013.01 - EP US); **F15B 2211/40584** (2013.01 - EP US); **F15B 2211/465** (2013.01 - EP US); **F15B 2211/7128** (2013.01 - EP US)

Citation (search report)

- [X] DE 1948293 A1 19710325 - REXROTH GMBH G L
- [A] WO 2007019712 A1 20070222 - BUCHER HYDRAULICS AG [CH], et al
- [A] US 6357549 B1 20020319 - BRENNAN DONALD D [US], et al
- [A] GB 2055977 A 19810311 - FIAT ALLIS CONSTRUCT MACHINE

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
DE 202009006299 U1 20100909; CA 2701473 A1 20101029; EP 2251550 A2 20101117; EP 2251550 A3 20131106; EP 2251550 B1 20180912; ES 2701181 T3 20190221; TR 201819106 T4 20190121; US 2010275771 A1 20101104

DOCDB simple family (application)
DE 202009006299 U 20090429; CA 2701473 A 20100427; EP 10004221 A 20100421; ES 10004221 T 20100421; TR 201819106 T 20100421; US 76914710 A 20100428