

Title (en)
Hydraulic arrangement

Title (de)
Hydraulische Anordnung

Title (fr)
Agencement hydraulique

Publication
EP 1752587 A1 20070214 (DE)

Application
EP 05112498 A 20051220

Priority
DE 102005038333 A 20050811

Abstract (en)
The hydraulic circuit (10) for the suspension system of a construction vehicle boom has a hydraulic cylinder (26) and a hydraulic tank (20) with a feed (18) and a reservoir (48). A control (12) has a first control pressure pipe (42) between a pipe breakage safety control (32) and a feed (18). The first pressure pipe has a switching valve (58) to vary the pressure in the pipe and operate a pressure limiting valve (34).

IPC 8 full level
E02F 9/22 (2006.01); **F15B 11/00** (2006.01)

CPC (source: EP US)
E02F 9/2207 (2013.01 - EP US); **F15B 1/021** (2013.01 - EP US); **F15B 13/0433** (2013.01 - EP US); **F15B 21/008** (2013.01 - EP US); **F15B 2211/3111** (2013.01 - EP US); **F15B 2211/3144** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US)

Citation (applicant)
EP 1157963 A2 20011128 - BAMFORD EXCAVATORS LTD [GB]

Citation (search report)

- [DA] EP 1157963 A2 20011128 - BAMFORD EXCAVATORS LTD [GB]
- [A] US 6357230 B1 20020319 - A HEARN MICHAEL A [US], et al
- [A] DE 10330344 A1 20050224 - DEERE & CO [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03 31 March 1997 (1997-03-31)

Cited by
CN102979778A; CN104278703A

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1752587 A1 20070214; EP 1752587 B1 20080611; AT E398213 T1 20080715; DE 102005038333 A1 20070215; DE 502005004413 D1 20080724; US 2007033933 A1 20070215; US 7337610 B2 20080304

DOCDB simple family (application)
EP 05112498 A 20051220; AT 05112498 T 20051220; DE 102005038333 A 20050811; DE 502005004413 T 20051220; US 47113706 A 20060620