

Title (en)
Directional valve assembly

Title (de)
Wegeventilanordnung

Title (fr)
Agencement de distributeur

Publication
EP 2280179 A3 20131113 (DE)

Application
EP 10006382 A 20100619

Priority
DE 102009034616 A 20090727

Abstract (en)
[origin: EP2280179A2] The arrangement has a releasable blocking valve (10) provided in a working passage (14). A pressure-relief unit relieves pressure in the working passage if the working passage is blocked toward a discharge passage (18) by a valve spool (22) of a directional control valve (8). An intermediate space is formed between the blocking valve and a control edge (40) of the valve spool, and connectable with the working passage when the discharge passage is blocked by the control edge of the of the valve spool.

IPC 8 full level
F15B 13/01 (2006.01)

CPC (source: EP US)
F15B 13/015 (2013.01 - EP US); **Y10T 137/7761** (2015.04 - EP US); **Y10T 137/87193** (2015.04 - EP US)

Citation (search report)

- [XYI] US 3595271 A 19710727 - NELSON VAUGHN A
- [Y] US 2005011556 A1 20050120 - DUDZIK MARIUSZ [AU], et al
- [X] US 4958553 A 19900925 - UENO KATSUMI [JP]
- [XI] FR 2484029 A1 19811211 - REXROTH SIGMA [FR]
- [AD] EP 0816691 A2 19980107 - BOSCH GMBH ROBERT [DE]

Cited by
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DE102021213691A1; US12044323B2

Designated contracting state (EPC)
AL 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)
BA ME RS

DOCDB simple family (publication)
EP 2280179 A2 20110202; EP 2280179 A3 20131113; EP 2280179 B1 20160810; DE 102009034616 A1 20110203;
US 2011017321 A1 20110127; US 8479768 B2 20130709

DOCDB simple family (application)
EP 10006382 A 20100619; DE 102009034616 A 20090727; US 84031810 A 20100721