

Title (en)

Depressurization apparatus for hydraulic pipe and hydraulic pipe structure

Title (de)

Druckablassvorrichtung für eine Hydraulikleitung und Hydraulikleitungs konstruktion

Title (fr)

Appareil de dépressurisation pour conduit hydraulique et structure de conduit hydraulique

Publication

**EP 1918593 A3 20100811 (EN)**

Application

**EP 07119211 A 20071024**

Priority

JP 2006297792 A 20061101

Abstract (en)

[origin: EP1918593A2] A depressurization block (8) is provided lying over a plurality of hydraulic pipes (3 and 4). The depressurization block (8) is provided with main passages to which the pipes (3 and 4) are connected, depressurization valves (10) for removing oil on the inside of the pipes by an opening operation from the exterior, and a drain passage for joining and guiding the oil removed from the depressurization valves (10), and the oil in all the pipes (3 and 4) is all removed to the exterior. An opening operation is performed to operation elements of the depressurization valves (10) at the same time by a push plate having protrusions and the operation elements are held in an opening state.

IPC 8 full level

**F15B 20/00** (2006.01); **E02F 3/36** (2006.01); **E02F 9/00** (2006.01)

CPC (source: EP)

**E02F 9/2267** (2013.01); **E02F 9/2275** (2013.01); **F15B 20/007** (2013.01); **F15B 21/005** (2013.01)

Citation (search report)

- [XPA] JP 2007262778 A 20071011 - KOBELCO CONSTR MACHINERY LTD
- [AD] JP 2006233571 A 20060907 - KOBELCO CONSTR MACHINERY LTD

Cited by

CN103195127A; FR3109977A1; WO2021185555A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1918593 A2 20080507**; **EP 1918593 A3 20100811**; **EP 1918593 B1 20120808**; JP 2008115905 A 20080522; JP 4935301 B2 20120523

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