

Title (en)

Hose rupture proofing for hydraulically actuated lifting devices

Title (de)

Rohrbruchsicherung für hydraulisch betätigte Hebezeuge

Title (fr)

Sécurité anti-rupture de tuyau pour engins de levage actionnés de manière hydraulique

Publication

EP 2354564 B1 20130102 (DE)

Application

EP 10014584 A 20101113

Priority

DE 202010001599 U 20100130

Abstract (en)

[origin: EP2354564A1] The pipe burst protection has a valve stem which is pre-stressed in a closing direction by a spring. A flat area is provided on the valve stem. A static pressure of the hydraulic fluid in a hydraulic line (5) exerts an opening force component on the valve stem. The opening force component acting on the valve spindle with an opening force component, opens a safety valve.

IPC 8 full level

B66C 13/12 (2006.01); **B66F 9/22** (2006.01); **B66F 17/00** (2006.01); **F15B 20/00** (2006.01)

CPC (source: EP)

B66C 13/12 (2013.01); **B66F 9/22** (2013.01); **B66F 17/00** (2013.01); **F15B 20/005** (2013.01)

Cited by

US10604391B2; US2019170303A1; US10955091B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DE 202010001599 U 20100130; EP 10014584 A 20101113