

Title (en)
ANTI-RUPTURE TUBE DEVICE

Title (de)
ANTI-ROHRBRUCH APPARATUS

Title (fr)
DISPOSITIF DE TUBE ANTI-RUPTURE

Publication
EP 3312436 B1 20211229 (EN)

Application
EP 17197491 A 20171020

Priority
IT 201600106112 A 20161021

Abstract (en)
[origin: EP3312436A1] A hydraulic tube rupture protection device is disclosed that ensures safety conditions in the event of rupture of a flexible tube connected to a hydraulic actuator of an arm of an excavator, in which the tube rupture protection device comprises a control valve controlled by a pilot line connected to a control member that is manoeuvrable by an operator, a logic element is arranged on a connecting line that connects the pilot line to the flexible tube; in the event of rupture of the flexible tube, without moving the control member, the logic element will open at least partially, causing the at least partial closure of the control valve, limiting the descent speed of the arm of the excavator.

IPC 8 full level
F15B 20/00 (2006.01); **E02F 9/22** (2006.01); **F15B 13/02** (2006.01); **F15B 13/042** (2006.01)

CPC (source: EP)
F15B 13/023 (2013.01); **F15B 13/0422** (2013.01); **F15B 20/005** (2013.01); **E02F 9/226** (2013.01); **F15B 2211/8636** (2013.01)

Cited by
EP3599383A1; CN111623001A; CN108980208A; CN109296527A; CN110778560A; IT201800007591A1; IT201900016823A1

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