

Title (en)

DAMPING DEVICE FOR PERCUSSION DEVICE, PERCUSSION DEVICE AND DRILLING MACHINE

Title (de)

DÄMPFUNGSVORRICHTUNG FÜR EINE SCHLAGVORRICHTUNG, SCHLAGVORRICHTUNG UND BOHRMASCHINE

Title (fr)

DISPOSITIF D'AMORTISSEMENT POUR UN DISPOSITIF À PERCUSSION, DISPOSITIF À PERCUSSION ET MACHINE DE FORAGE

Publication

**EP 2379283 A4 20130904 (EN)**

Application

**EP 09838481 A 20091204**

Priority

- SE 2009000508 W 20091204
- SE 0900045 A 20090116

Abstract (en)

[origin: WO2010082871A1] Damping device for a percussion device with a striking direction (R), including a damping piston (8) for action in an axial direction against a tool to be driven of the percussion device, wherein the damping piston (8) has a piston portion (6), which is received inside a damping chamber (7), whereinto a supply conduit (14) for pressure fluid and an accumulator (13) are connected, and wherein a return channel is connected to the damping chamber. The accumulator (13) is connected to the damping chamber (7) over a non return valve (12), which is arranged for allowing flow in the direction toward the damping chamber, and at least one choking device (16, 20) in at least one choking channel is arranged for choking pressure liquid flowing out from the damping chamber (7) as a response to movement of the damping piston in a direction opposite to the striking direction (R).

IPC 8 full level

**B25D 17/24** (2006.01); **B25D 17/06** (2006.01)

CPC (source: EP SE)

**B25D 9/145** (2013.01 - SE); **B25D 17/06** (2013.01 - EP); **B25D 17/245** (2013.01 - EP); **E21B 1/38** (2020.05 - SE); **B25D 2217/0019** (2013.01 - EP)

Citation (search report)

- [XY] GB 2193919 A 19880224 - TAMPELLA OY AB
- [Y] US 5351763 A 19941004 - MUUTTONEN TIMO [FI]
- [Y] FR 2355617 A1 19780120 - MONTABERT ROGER [FR]
- [Y] US 4582145 A 19860415 - SALMI PEKKA [FI], et al
- See references of WO 2010082871A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2010082871 A1 20100722**; EP 2379283 A1 20111026; EP 2379283 A4 20130904; SE 0900045 A1 20100717; SE 533344 C2 20100831

DOCDB simple family (application)

**SE 2009000508 W 20091204**; EP 09838481 A 20091204; SE 0900045 A 20090116