

Title (en)

HANDLE DEVICE, IN PARTICULAR FOR HAND TOOLS

Title (de)

HANDGRIFFVORRICHTUNG, INSBESONDERE FÜR HANDWERKZEUGE

Title (fr)

DISPOSITIF DE POIGNÉE, NOTAMMENT POUR DES OUTILS À MAIN

Publication

EP 2726254 B1 20200401 (DE)

Application

EP 12728238 A 20120614

Priority

- DE 102011078376 A 20110630
- EP 2012061309 W 20120614

Abstract (en)

[origin: WO2013000724A1] The invention relates to a handle device (24; 124), in particular for a hand tool, comprising a grip unit (36; 136) and a fastening unit (30; 130). A resiliently elastic damping unit (32; 132) is arranged between the grip unit (36; 136) and the fastening unit (30; 130), said damping unit (32; 132) being provided to transmit a vibration that occurs on the fastening unit (30; 130) in the operating state of the handle device (24; 124) to the grip unit (36; 136) in an at least partially damped manner, so that a user is decoupled at least partially from the vibration. An overload protection unit (34; 134) is also provided, which protects the damping unit (32; 132) from damage in the event of an overload state occurring on the grip unit (36; 136) or on the fastening unit (30; 130), by at least part of a force flux (80; 180) between the fastening unit (30; 130) and the grip unit (36; 136) being diverted to an additional force flux path (80a, 84; 180a, 184) as a bypass, during the overload state.

IPC 8 full level

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CPC (source: EP US)

B25F 5/006 (2013.01 - EP US); **B25F 5/026** (2013.01 - EP US); **B25G 1/01** (2013.01 - US)

Citation (examination)

- US 2007089274 A1 20070426 - ZHANG QIANG J [US], et al
- US 4800965 A 19890131 - KELLER MICHAEL [DE]

Cited by

CN112296393A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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