

Title (en)
Hand tool device with damper

Title (de)
Handwerkzeuggerät mit Dämpfungkörper

Title (fr)
Machine-outil avec amortisseur

Publication
EP 2018937 A3 20131023 (DE)

Application
EP 08104131 A 20080528

Priority
DE 102007000408 A 20070727

Abstract (en)
[origin: EP2018937A2] The device (11) has a damping sleeve (31) provided as a damping element between a bearing section (24) of a handle (21) and a handle mounting axis (30), where the sleeve is made of elastic material. A damping body (36) is provided as another damping element at free ends that are opposite to an end region (25) of the handle. The damping body comprises an extension in radial direction relating to a longitudinal axis (23) of the handle. The extension is larger than a minimum radial extension of the handle at the free ends of the handle.

IPC 8 full level
B25D 17/04 (2006.01); **B25D 17/24** (2006.01); **B25F 5/00** (2006.01); **B25F 5/02** (2006.01)

CPC (source: EP US)
B25D 17/043 (2013.01 - EP US); **B25D 17/24** (2013.01 - EP US); **B25F 5/006** (2013.01 - EP US); **B25F 5/026** (2013.01 - EP US); **B25D 2222/42** (2013.01 - EP US); **B25D 2222/57** (2013.01 - EP US); **B25D 2222/61** (2013.01 - EP US); **B25D 2250/275** (2013.01 - EP US)

Citation (search report)

- [Y] EP 1800804 A2 20070627 - HILTI AG [LI]
- [Y] US 5934154 A 19990810 - NOEL RON [US]
- [Y] US 5740586 A 19980421 - GOMAS HERVE [FR]
- [Y] JP 2002079477 A 20020319 - HITACHI KOKI KK
- [Y] US 3824417 A 19740716 - MOORES R
- [Y] EP 0490850 A1 19920617 - ATLAS COPCO TOOLS AB [SE]
- [A] EP 1514648 A2 20050316 - MAKITA CORP [JP]

Cited by
US2022117157A1; US11957074B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2018937 A2 20090128; **EP 2018937 A3 20131023**; DE 102007000408 A1 20090129; US 2009032276 A1 20090205; US 7878264 B2 20110201

DOCDB simple family (application)
EP 08104131 A 20080528; DE 102007000408 A 20070727; US 22064208 A 20080724