

Title (en)
Vibration damping electric hand tool

Title (de)
Vibrationsgedämpftes Elektroh Handwerkzeug

Title (fr)
Outil à main électrique amortissant les vibrations

Publication
EP 1637288 A1 20060322 (DE)

Application
EP 05108553 A 20050916

Priority
DE 102004044822 A 20040916

Abstract (en)
The electric hand tool has a vibration-damped movable hammer in an outer housing (6) which has air intake openings (7) for the fan (8). The cool air pipe (11) has a rigid section (12, 13) and an elastic section (14). the elastic section can be folding bellows and/or made of elastomer.

IPC 8 full level
B25D 17/20 (2006.01); **B25D 17/24** (2006.01); **B25F 5/00** (2006.01)

CPC (source: EP)
B25D 17/20 (2013.01); **B25D 17/24** (2013.01); **B25F 5/006** (2013.01); **B25F 5/008** (2013.01); **B25D 2217/0061** (2013.01); **B25D 2222/57** (2013.01); **B25D 2250/065** (2013.01); **B25D 2250/085** (2013.01); **B25D 2250/095** (2013.01); **B25D 2250/371** (2013.01)

Citation (applicant)
EP 1302281 A1 20030416 - HILTI AG [LI]

Citation (search report)
• [YD] EP 1302281 A1 20030416 - HILTI AG [LI]
• [Y] US 5322131 A 19940621 - PRESSLEY JACK [US], et al
• [AT] US 6314922 B1 20011113 - ZIMMERMANN HELMUT [DE], et al
• [T] DE 19833126 A1 20000127 - STIHL MASCHF ANDREAS [DE]
• [A] WO 2004026534 A1 20040401 - SNAP ON TECH INC [US], et al
• [A] US 6043575 A 20000328 - GHODE ANIL P [US], et al
• [A] DE 19626254 A1 19980108 - BOSCH GMBH ROBERT [DE]

Cited by
JP2015182167A; DE102006038756A1; EP2404708A3; EP2105261A1; EP2653024A1; CN103372854A; DE102007043916A1; EP1958735A1; EP2149432A3; US8443912B2; EP4282595A1; US9379596B2; EP4037161A1; US9950415B2; EP2251152A1; EP2923801A1; US10814468B2; US11633843B2; US10926393B2; US11059155B2; US11141850B2; US11203105B2; US11759935B2; US11865687B2

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 1637288 A1 20060322; EP 1637288 B1 20140813

DOCDB simple family (application)
EP 05108553 A 20050916