

Title (en)  
Electrical hand tool with axial percussion

Title (de)  
Axial schlagendes Elektrohandwerkzeuggerät

Title (fr)  
Outil portatif électrique à percussion axiale

Publication  
**EP 1319477 B1 20100414 (DE)**

Application  
**EP 02406048 A 20021203**

Priority  
DE 10160864 A 20011212

Abstract (en)  
[origin: EP1319477A1] The power sensor (6'') has hydraulic fluid between two plates (7a,7b) connected by tubing (14) to cushion elements (6,6',6'') in the hand held grip parts (8,13) of the tool.

IPC 8 full level  
**B25D 11/00** (2006.01); **B25D 17/24** (2006.01); **B25D 11/12** (2006.01); **B25D 17/04** (2006.01)

CPC (source: EP US)  
**B25D 11/00** (2013.01 - EP US); **B25D 17/043** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US); **B25D 2211/068** (2013.01 - EP US); **B25D 2250/221** (2013.01 - EP US)

Cited by  
CN104302450A; DE102004047606A1; FR2865428A1; CN110653765A; EP1466702A1; EP3241654A1; WO2012013274A1; WO2013092002A1; US7628219B2

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

DOCDB simple family (publication)  
**EP 1319477 A1 20030618; EP 1319477 B1 20100414**; CN 1298471 C 20070207; CN 1424166 A 20030618; DE 10160864 A1 20030626; DE 50214358 D1 20100527; JP 2003191178 A 20030708; US 2003116333 A1 20030626; US 6799643 B2 20041005

DOCDB simple family (application)  
**EP 02406048 A 20021203**; CN 02154792 A 20021204; DE 10160864 A 20011212; DE 50214358 T 20021203; JP 2002358796 A 20021211; US 31893402 A 20021212