

Title (en)  
Hand tool

Title (de)  
Handwerkzeug

Title (fr)  
Outil manuel

Publication  
**EP 2316620 A3 20131113 (DE)**

Application  
**EP 10189104 A 20101027**

Priority  
DE 102009051844 A 20091029

Abstract (en)  
[origin: EP2316620A2] The hand tool has a housing (12) and a drive motor (32) accommodated in the housing, where the drive motor has a rotationally driven motor shaft (34). The motor shaft is coupled with a drive shaft (36) for a tool to be driven. A planetary switching stage (38) is provided which is formed as dual planetary stage, where the planetary stage has a sun gear driven by the motor shaft.

IPC 8 full level  
**B25F 5/00** (2006.01)

CPC (source: EP)  
**B25F 5/001** (2013.01)

Citation (search report)

- [Y] DE 20220001 U1 20030306 - POWER NETWORK INDUSTRY CO [TW]
- [YD] EP 1886769 A1 20080213 - TTS TOOLTECHNIC SYSTEMS AG [DE]
- [YA] EP 1364752 A2 20031126 - HILTI AG [LI]

Cited by  
CN111315538A; US11485004B2; WO2019042907A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2316620 A2 20110504; EP 2316620 A3 20131113; EP 2316620 B1 20141203**; DE 102009051844 A1 20110505

DOCDB simple family (application)  
**EP 10189104 A 20101027**; DE 102009051844 A 20091029