

Title (en)
Power tool

Title (de)
Handwerkzeugmaschine

Title (fr)
Outil électrique

Publication
EP 2457694 A3 20180314 (DE)

Application
EP 11188467 A 20111109

Priority
DE 102010062014 A 20101126

Abstract (en)
[origin: EP2457694A2] The tool has a drive shaft (30) displaced in a rotary and partial tangentially striking motion by a tangential striking mechanism (10). The mechanism is driven by a drive e.g. motor and/or gear. The mechanism includes an anvil (60) associated to the shaft, and a hammer (70) associated to the drive. The anvil and the hammer are movable axially under force application of a spring (81), and tangentially and strikingly under twisting of the anvil and the hammer against each other. An auxiliary mass is coupled to a main mass (71) of the hammer and stands under force application of another spring.

IPC 8 full level
B25B 21/02 (2006.01)

CPC (source: EP US)
B25B 21/02 (2013.01 - EP US); **B25B 21/026** (2013.01 - EP US)

Citation (search report)

- [A] DE 1196587 B 19650708 - REINHARD E PANTLEON
- [A] GB 1030373 A 19660525 - INGERSOLL RAND CO
- [A] EP 2168724 A1 20100331 - BLACK & DECKER INC [US]
- [A] EP 0066779 A1 19821215 - HILTI AG [LI]

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 2457694 A2 20120530; EP 2457694 A3 20180314; EP 2457694 B1 20190515; DE 102010062014 B3 20120510; JP 2012111035 A 20120614; JP 6009756 B2 20161019; US 2012132452 A1 20120531; US 8950508 B2 20150210

DOCDB simple family (application)
EP 11188467 A 20111109; DE 102010062014 A 20101126; JP 2011255135 A 20111122; US 201113304439 A 20111125