

Title (en)
HAND TOOL DEVICE

Title (de)
HANDWERKZEUGVORRICHTUNG

Title (fr)
DISPOSITIF POUR OUTIL MANUEL

Publication
EP 2797721 B1 20230301 (DE)

Application
EP 12810244 A 20121219

Priority
• DE 102011089910 A 20111227
• EP 2012076201 W 20121219

Abstract (en)
[origin: WO2013098167A1] The invention relates to a portable tool device comprising a percussion mechanism (22a; 22b; 22c) that has at least one striker (44a) and one curved guiding element (62a, 64a) that drives said striker (22a; 22b; 22c) at least during a percussion-drilling operation. It is suggested that the striker (22a; 22b; 22c) comprises at least one part of said curved guiding element (62a, 64a).

IPC 8 full level
B25D 11/08 (2006.01); **B25D 17/06** (2006.01)

CPC (source: CN EP RU US)
B25D 11/06 (2013.01 - CN); **B25D 11/08** (2013.01 - EP US); **B25D 16/00** (2013.01 - CN US); **B25D 17/06** (2013.01 - EP US);
B25D 11/08 (2013.01 - RU); **B25D 2211/006** (2013.01 - CN EP US); **B25D 2217/0015** (2013.01 - EP US); **B25D 2250/231** (2013.01 - EP US);
B25D 2250/371 (2013.01 - CN EP US)

Citation (examination)
EP 1690642 A1 20060816 - BLACK & DECKER INC [US]

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

DOCDB simple family (publication)
DE 102011089910 A1 20130627; CN 104023919 A 20140903; CN 104023919 B 20170613; CN 107214664 A 20170929;
CN 107214664 B 20210319; EP 2797721 A1 20141105; EP 2797721 B1 20230301; EP 3881974 A1 20210922; JP 2015503454 A 20150202;
JP 2016027952 A 20160225; JP 5847962 B2 20160127; JP 6053899 B2 20161227; RU 2014130905 A 20160220; RU 2635030 C2 20171108;
US 10315299 B2 20190611; US 10960526 B2 20210330; US 2015075828 A1 20150319; US 2019255693 A1 20190822;
WO 2013098167 A1 20130704

DOCDB simple family (application)
DE 102011089910 A 20111227; CN 201280064464 A 20121219; CN 201710324841 A 20121219; EP 12810244 A 20121219;
EP 2012076201 W 20121219; EP 21162272 A 20121219; JP 2014549428 A 20121219; JP 2015229860 A 20151125;
RU 2014130905 A 20121219; US 201214368469 A 20121219; US 201916405048 A 20190507