

Title (en)

Hand tool machine with pneumatic striking mechanism

Title (de)

Handwerkzeugmaschine mit pneumatischem Schlagwerk

Title (fr)

Machine-outil manuelle dotée d'un mécanisme à percussion pneumatique

Publication

**EP 2065139 A1 20090603 (DE)**

Application

**EP 08105745 A 20081107**

Priority

CN 200710196416 A 20071127

Abstract (en)

The tool (1) has a pneumatic percussion mechanism (2) including a percussion piston (5) reciprocating along a percussion axis (A) with a bore (6) extending at an angle to the percussion axis, and an air spring (4) for displacing the percussion piston. The percussion piston made of steel includes an axial length and half of guide diameter, and an axial end side comprises a radial reduction with a spherical impact surface, where the reduction forms a radial bead adjacent to the impact surface.

Abstract (de)

Eine Handwerkzeugmaschine (1) mit einem pneumatischen Schlagwerk (2) mit einem durch eine Luftfeder (4) längs einer Schlagachse (A) hin- und herbewegbaren Flugkolben (5), wobei der Flugkolben (5) eine Ausbohrung (6) aufweist, die sich in einem Winkel zur Schlagachse (A) erstreckt.

IPC 8 full level

**B25D 17/06** (2006.01)

CPC (source: EP US)

**B25D 17/06** (2013.01 - EP US); **B25D 2211/061** (2013.01 - EP US); **B25D 2217/0023** (2013.01 - EP US); **B25D 2222/42** (2013.01 - EP US); **B25D 2250/391** (2013.01 - EP US)

Citation (applicant)

- US 3402776 A 19680924 - VSEVOLODOVICH ALEXANDROV EVGEN
- US 2283292 A 19420519 - SMITH SR WILLIAM A

Citation (search report)

- [X] DE 494775 C 19300328 - SIEMENS AG
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2065139 A1 20090603**; **EP 2065139 B1 20170315**; CN 101444909 A 20090603; CN 101444909 B 20130327; JP 2009125931 A 20090611; JP 5584408 B2 20140903; US 2009133893 A1 20090528; US 7926586 B2 20110419

DOCDB simple family (application)

**EP 08105745 A 20081107**; CN 200710196416 A 20071127; JP 2008299556 A 20081125; US 31348508 A 20081119