

Title (en)

Pneumatic striking mechanism and handheld machine tool with such a mechanism

Title (de)

Pneumatisches Schlagwerk und Handwerkzeugmaschine mit einem solchen pneumatischen Schlagwerk

Title (fr)

mécanisme d'impacte pneumatique et machine-outil portative avec un tel mécanisme

Publication

**EP 2243580 A3 20110525 (DE)**

Application

**EP 10158108 A 20100329**

Priority

DE 102009002474 A 20090420

Abstract (en)

[origin: EP2243580A2] The mechanism (5) has a longitudinal striking axle is movably arranged in a flying piston (13) and an exciter piston (12). A pneumatic chamber (19) is closed by a metallic guide cylinder (10), the flying piston and the exciter piston, and a driving unit (3) i.e. electric motor, periodically moves the exciter piston. The flying piston is stimulated to a periodical movement between the flying piston and exciter piston, and an inner wall (11) of the guide cylinder and a lateral surface of the flying piston and exciter piston are provided with thermosetting plastic and/or thermoplastic material.

IPC 8 full level

**B23B 51/00** (2006.01); **B25D 17/06** (2006.01)

CPC (source: EP US)

**B25D 17/06** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US); **B25D 2211/068** (2013.01 - EP US); **B25D 2217/0019** (2013.01 - EP US); **B25D 2217/0023** (2013.01 - EP US); **B25D 2222/54** (2013.01 - EP US)

Citation (search report)

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- [XA] US 4476941 A 19841016 - BUCK MANFRED [DE], et al
- [A] EP 1027964 A2 20000816 - BLACK & DECKER INC [US]
- [A] WO 2008094134 A2 20080807 - HARD HAT TECHNOLOGY LLC, et al
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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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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