

Title (en)
Manual tool machine

Title (de)
Handwerkzeugmaschine

Title (fr)
Machine-outil manuelle

Publication
EP 2653267 A1 20131023 (DE)

Application
EP 13163879 A 20130416

Priority
DE 102012206451 A 20120419

Abstract (en)
The hand machine tool has a pneumatic impact mechanism (6), which comprises a motor-driven generator (12), a stick (13) and a pneumatic chamber (15) arranged along a working axis (10) between the generator and the stick. The pneumatic chamber is filled with a monatomic gas, particularly argon. The pneumatic chamber is completely filled with argon. The impact mechanism is arranged in an inner housing (21), which closes a gas-tight intermediate chamber (23) with the impact mechanism.

Abstract (de)
Eine Handwerkzeugmaschine hat ein pneumatisches Schlagwerk (6). Das Schlagwerk (6) hat einen motorgetriebenen Erreger (12), einen Schläger (13) und eine längs einer Arbeitsachse (10) zwischen dem Erreger (12) und dem Schläger (13) angeordnete pneumatische Kammer (15). Die pneumatische Kammer (15) ist zu wenigstens 20 Vol.-% mit einem monoatomaren Gas gefüllt.

IPC 8 full level
B25D 11/12 (2006.01)

CPC (source: EP US)
B25D 11/125 (2013.01 - EP US); **B25D 17/245** (2013.01 - US); **B25D 2250/185** (2013.01 - EP US); **B25D 2250/375** (2013.01 - EP US)

Citation (search report)
• [A] WO 2010082849 A1 20100722 - GLOBALFORCE IP LTD [NZ], et al
• [A] WO 2005007351 A1 20050127 - WACKER CONSTRUCTION EQUIPMENT [DE], et al
• [A] GB 2425504 A 20061101 - BOSCH GMBH ROBERT [DE]

Cited by
EP4039414A1; EP2871028A1; CN110259375A; WO2015067590A1; WO2022171322A1

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 2653267 A1 20131023; EP 2653267 B1 20170308; CN 103372850 A 20131030; DE 102012206451 A1 20131024;
DE 102012206451 B4 20201210; JP 2013223917 A 20131031; US 2013277080 A1 20131024

DOCDB simple family (application)
EP 13163879 A 20130416; CN 201310130389 A 20130416; DE 102012206451 A 20120419; JP 2013086821 A 20130417;
US 201313864829 A 20130417