

Title (en)
Electric hand tool with idle running switch off

Title (de)
Elektrohandwerkzeuggerät mit Leerschlagabschaltung

Title (fr)
Outil électrique à main avec coupure de la percussion

Publication
EP 1147861 A2 20011024 (DE)

Application
EP 01810350 A 20010409

Priority
DE 10019071 A 20000418

Abstract (en)
The tool performs at least one hammer movement and has a no-load stroke cut-off for a pneumatic hammer mechanism with a stimulation piston movable in a fixed pipe that imparts a blow to a free piston via a gas spring. Valve openings leading to the gas spring are opened by an axially movable control sleeve biased by a restoring spring for no-load cut-off. The control sleeve bounds on an adjacent tool holder with limited axial movement. The tool performs at least one hammer movement and has a no-load stroke cut-off for a pneumatic hammer mechanism (1) with a stimulation piston (3) movable in a fixed pipe (2) that imparts a blow to a free piston (5) via a gas spring (4). Valve openings (10) leading to the gas spring are opened by an axially movable control sleeve (11) biased by a restoring spring (7) for no-load stroke cut-off. The tool holder (6) is mounted for limited axial movement and the control sleeve bounds on the adjacent tool holder.

Abstract (de)
Ein schlagendes Elektrohandwerkzeuggerät mit einer Leerschlagabschaltung für ein pneumatisches Schlagwerk (1) mit einem axial fixierten Führungsrohr (2) und einem im Inneren einer drehbaren Werkzeugaufnahme (6) anschlagenden Döpper (9) wird beschrieben, wobei zumindest in einem axialen Teilbereich die Werkzeugaufnahme (6) das Führungsrohr (2) zumindest teilweise radial aussen umfasst und die Werkzeugaufnahme (6) axial begrenzt beweglich gelagert ist. <IMAGE>

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IPC 8 full level
B25D 17/10 (2006.01); **B23B 45/16** (2006.01); **B25D 11/00** (2006.01); **B25D 11/12** (2006.01); **B25D 16/00** (2006.01); **B25F 5/00** (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP US)
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Cited by
EP1886767A3; EP1754575A3; US7383895B2; DE102007042045A1; EP2033743A2

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