

Title (en)

HOLLOW PISTON HAMMER DEVICE WITH AIR EQUILIBRATION AND IDLE OPENINGS

Title (de)

HOHLKOLBENSCHLAGWERK MIT LUFTAUSGLEICHS- UND LEERLAUFÖFFNUNG

Title (fr)

MECANISME DE PERCUSSION A PISTON CREUX COMPORTANT UNE OUVERTURE DE COMPENSATION PNEUMATIQUE ET DE FONCTIONNEMENT A VIDE

Publication

**EP 1648663 B1 20080618 (DE)**

Application

**EP 04763463 A 20040723**

Priority

- EP 2004008294 W 20040723
- DE 10333799 A 20030724

Abstract (en)

[origin: WO2005009688A2] An air spring hammer device comprises a drive piston (3), moving axially back and forth, with a front face of hollow embodiment and a hammer piston (6) moving in said hollow. A ventilation slot (13) is embodied in a guide wall (5) of the drive piston (3). The drive piston (3) may be guided in a guide tube (15). The guide tube (15) comprises several idle openings (16). A moving control element (17) is arranged on the exterior of the guide tube (15), in which control openings (18), corresponding to the idle openings (16), are provided. In an idle operating mode, the control element (17) is in an open position, by means of which the ventilation slot (13), the idle openings (16) and the control openings (18) can be brought into connection with the environment.

IPC 8 full level

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