

Title (en)
Hand tool machine, particularly a hammer drill

Title (de)
Handwerkzeugmaschine, insbesondere Bohrhammer

Title (fr)
Machine outil à main, notamment marteau perforateur

Publication
EP 0589337 B1 19960821 (DE)

Application
EP 93114799 A 19930915

Priority
DE 4231987 A 19920924

Abstract (en)
[origin: EP0589337A1] A hand tool machine, which is equipped with a drive motor (3) contained in a motor space (31) of the casing (2) and intended for driving a pinion (8) which extends through a casing part (13) into a gearing space (32) and is in engagement there with a gearing (4) for driving a tool-holding fixture (6), is equipped with a pressure compensation device (34) which releases a pressure arising in the gearing space (32) during operation to the atmosphere or to the motor space (31) and has at least one bore (36, 36') leading from the gearing space (32) to the outside or to the motor space (31), and also a rotating element (40), driven continuously in rotation, in the form of a covering cap (42), with at least one passage (46, 47) therein. <IMAGE>

IPC 1-7
B25F 5/02; **B25D 17/26**; **F01M 13/04**

IPC 8 full level
B23B 45/16 (2006.01); **B25D 16/00** (2006.01); **B25D 17/26** (2006.01); **B25F 5/00** (2006.01); **B25F 5/02** (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP)
B25D 16/00 (2013.01); **B25D 17/26** (2013.01); **F01M 13/04** (2013.01); **B25D 2211/061** (2013.01); **B25D 2250/185** (2013.01)

Cited by
KR101402818B1; EP2578362A3; JPWO2017169393A1; GB2380442A; GB2380442B; GB2367780A; GB2367780B; EP3157147A1; EP2338643A3; EP1728596A1; EP2130651A4; US7578358B2; US9784380B2; US6924624B2; WO2017169393A1; US9533406B2; US7410009B2; USRE40643E; WO03018269A1; WO03035328A1; JP2013078822A

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