

Title (en)

PORTABLE HAND TOOL WITH A PERCUSSIVE DEVICE

Publication

**EP 0370952 B1 19920422 (DE)**

Application

**EP 89810863 A 19891109**

Priority

DE 3839207 A 19881119

Abstract (en)

[origin: EP0370952A1] The hand tool has a housing (1) and a handle (3) which is displaceably mounted relative to the housing (1). Compression springs (10) arranged so as to slope at an angle (B) relative to the direction of the main oscillation axis (A) are loaded relative to the housing (1) when the handle (3) is displaced. The increase in the spring force which takes place when the compression springs (10) are loaded, is compensated for in the direction of the main oscillation axis (A) by the angle (B) increasing and thus by the force component which acts in the direction (A) becoming smaller, which leads to the force which acts in the direction of the main oscillation axis (A) remaining constant. <IMAGE>

IPC 1-7

**B25D 17/04; B25D 17/24**

IPC 8 full level

**B25D 17/24** (2006.01); **B25D 17/04** (2006.01)

CPC (source: EP US)

**B25D 17/043** (2013.01 - EP US)

Cited by

EP2428324A3; EP2848370A1; US6148930A; EP1958735A1; GB2444401A; GB2444401B; GB2423273A; GB2423273B; US10406668B2; US8061438B2; WO2007128634A1; WO2015036279A1; WO2007101736A1; WO9829220A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0370952 A1 19900530; EP 0370952 B1 19920422**; DE 3839207 A1 19900523; DE 58901242 D1 19920527; JP H02185378 A 19900719; US 5025870 A 19910625

DOCDB simple family (application)

**EP 89810863 A 19891109**; DE 3839207 A 19881119; DE 58901242 T 19891109; JP 29989789 A 19891120; US 43926389 A 19891120