

Title (en)

RESILIENT MOUNTING OF A HANDLES-CARRYING PROTECTIVE COVER FOR A PERCUSSION TOOL

Publication

EP 0194347 B1 19890201 (DE)

Application

EP 85115109 A 19851128

Priority

DE 3447401 A 19841224

Abstract (en)

[origin: US4673043A] A motor-driven hammer having an impact mechanism that is driven by the motor via a crank drive. The hammer has a protective cover that is provided with handgrips and is cushioned relative to the housing of the hammer. When viewed in the upright position of operation of the hammer, the cover is spaced from, and covers, the top, both sides, and the front of the motor and crank drive, at least relative to an operator. Two pairs of swing arms extend on both sides between the housing and the cover for positively guiding the cover parallel to the longitudinal axis of the hammer. The swing arms of a given pair of arms are disposed parallel to one another, and are spaced apart one above the other. Each arm has two ends, one of which is pivotably mounted on the cover, and the other of which is pivotably mounted on the housing. This pivotable mounting is effected by pivot mechanisms, at least some of which are embodied in the form of soft torsion springs. The swing arms have a pivot range that is free except for the torsion spring effect. Stops are provided for elastically delimiting the free pivot range of the arms. These stops cooperate in a cushioned manner and are disposed on the housing and on the cover. The stops have a spring force that increases progressively outwardly from the free pivot range of the swing arms.

IPC 1-7

B25D 17/24; **B25D 17/11**

IPC 8 full level

B25D 17/04 (2006.01); **B25D 17/11** (2006.01); **B25D 17/24** (2006.01); **E21C 37/24** (2006.01)

CPC (source: EP US)

B25D 17/043 (2013.01 - EP US); **B25D 17/11** (2013.01 - EP US)

Cited by

CN105965447A; EP0294351A3; CN106089029A; GB2230728A; GB2230728B; EP0440399A1; CN104511885A; CN106246100A

Designated contracting state (EPC)

CH FR GB IT LI SE

DOCDB simple family (publication)

DE 3447401 A1 19860703; **DE 3447401 C2 19880908**; EP 0194347 A1 19860917; EP 0194347 B1 19890201; JP H0375314 B2 19911129; JP S61159387 A 19860719; US 4673043 A 19870616

DOCDB simple family (application)

DE 3447401 A 19841224; EP 85115109 A 19851128; JP 28953685 A 19851224; US 81240285 A 19851223