

Title (en)
Manually operated fastener driving device

Title (de)
Handgeführtes Eintreibgerät

Title (fr)
Dispositif d'enfoncement manuel

Publication
EP 1980369 B1 20110525 (DE)

Application
EP 08103315 A 20080402

Priority
DE 102007000226 A 20070413

Abstract (en)
[origin: EP1980369A2] The device has a drive arrangement (30) for a driving plunger (13) that is supported shiftably in a guide (12). The plunger includes a drive spring (31) e.g. helical spring or flat spring, with an expansion direction clampable over a clamping device (70). Another drive spring (32) includes another expansion direction that is opposite to the former expansion direction. The drive springs define spring axes (F1, F2), which run coaxially to each other. The total volume of the latter drive spring is larger than the total volume of the former drive spring.

IPC 8 full level
B25C 1/06 (2006.01); **B25C 5/15** (2006.01)

CPC (source: EP US)
B25C 1/06 (2013.01 - EP US); **B25C 5/15** (2013.01 - EP US)

Cited by
EP2397265A3; EP2514567A3; EP2397272A3; EP2397270A3; EP3028817A4; EP2489474A3; CN102642192A; US10195728B2; US8978953B2; EP3159113A1; WO2017067911A1; US9061409B2; US9205546B2; US9498872B2; US9527197B2; US9302381B2; US9505115B2; US10377026B2; US10525575B2; US11396094B2; EP2582490B1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 08103315 A 20080402; AT 08103315 T 20080402; AU 2008201446 A 20080328; CN 200810091651 A 20080411; DE 102007000226 A 20070413; ES 08103315 T 20080402; JP 2008103252 A 20080411; PL 08103315 T 20080402; US 8270808 A 20080411