

Title (en)
EXPLOSIVE POWDER CHARGE OPERATED BOLT DRIVING TOOL

Publication
EP 0331168 B1 19911121 (DE)

Application
EP 89103662 A 19890302

Priority
DE 3806831 A 19880303

Abstract (en)
[origin: US4883211A] An explosive powder charge operated fastening element setting device includes a housing supporting a handle. A damping unit is arranged between the handle and the housing so that the handle is displaceable in the setting direction of the setting device against a force developed in the damping device. A fastening element guide is mounted in the housing for movement opposite to the setting direction against a spring force. The force of the damping unit is greater than the spring force. The damping unit includes a cylinder containing a first fluid medium acting on a piston pressing, outside the cylinder, against the housing with a second fluid medium within the cylinder pressurizing the first fluid medium.

IPC 1-7
B25C 1/10

IPC 8 full level
B25C 1/10 (2006.01); **B25C 1/14** (2006.01); **B25C 1/18** (2006.01)

CPC (source: EP US)
B25C 1/143 (2013.01 - EP US); **B25C 1/18** (2013.01 - EP US)

Cited by
EP0720893A1; FR2833879A1; DE10162633B4; EP0775554A1; US5884828A; AU710809B2; CN1055041C

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0331168 A1 19890906; EP 0331168 B1 19911121; DE 3806831 A1 19890914; DE 58900463 D1 19920102; US 4883211 A 19891128

DOCDB simple family (application)
EP 89103662 A 19890302; DE 3806831 A 19880303; DE 58900463 T 19890302; US 31942589 A 19890303