

Title (en)  
Fastening device

Title (de)  
Eintreibgerät

Title (fr)  
Outil d'enfoncement

Publication  
**EP 2514567 A2 20121024 (DE)**

Application  
**EP 12162991 A 20120403**

Priority  
DE 102011007703 A 20110419

Abstract (en)  
The apparatus has a rotor (8) i.e. flywheel, moved over a drive motor e.g. electromotor, in a rotating movement, and a spring accumulator (6) arranged over a releasable grip in a frictional engagement that is stretched by the rotor. A setting piston (4) is driven over the accumulator in a setting direction. A frictional clutch is arranged downstream of the rotor to connect the rotor and the setting piston. The drive motor is operated in a normal operation mode through a set of sequential driving processes without changing direction of rotation of the drive motor. The spring accumulator is selected from a group consisting of a gas spring such as pretensioned gas spring, and helical spring such as steel spring or carbon fiber spring.

Abstract (de)  
Die Erfindung betrifft ein Eintreibgerät, umfassend einen Antriebsmotor, eine Schwungmasse, und einen Setzkolben, wobei die Schwungmasse über den Antriebsmotor in eine Drehbewegung versetzbar ist, wobei ein Federspeicher über einen lösbaren Kraftschluss, insbesondere Reibschluss, durch die Schwungmasse spannbar ist, wobei der Setzkolben über den gespannten Federspeicher in eine Setzrichtung antreibbar ist.

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

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

Citation (applicant)  
US 2009294505 A1 20091203 - KUNZ MICHAEL [DE], et al

Cited by  
FR3006933A1; WO2019211264A1; US10195727B2; US11203104B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2514567 A2 20121024; EP 2514567 A3 20130904; EP 2514567 B1 20140820**; CA 2774854 A1 20121019; CN 102744709 A 20121024; DE 102011007703 A1 20121025; ES 2516241 T3 20141030; JP 2012223879 A 20121115; JP 6081712 B2 20170215; TW 201302396 A 20130116; US 2012325887 A1 20121227

DOCDB simple family (application)  
**EP 12162991 A 20120403**; CA 2774854 A 20120419; CN 201210114646 A 20120418; DE 102011007703 A 20110419; ES 12162991 T 20120403; JP 2012094563 A 20120418; TW 101111804 A 20120403; US 201213450733 A 20120419