

Title (en)
FASTENER DRIVING APPARATUS

Title (de)
VORRICHTUNG ZUM EINTREIBEN EINER BEFESTIGUNG

Title (fr)
APPAREIL D'ENFONCEMENT DE PIÈCE DE FIXATION

Publication
EP 3325217 B1 20210224 (EN)

Application
EP 16828681 A 20160725

Priority
• US 201515012498 A 20150723
• US 2016043825 W 20160725

Abstract (en)
[origin: WO2017015654A1] A fastener driving apparatus comprises a gas spring or spring, a drive mechanism, an anvil assembly, and an anvil. The drive mechanism permits transition from engagement with the gas spring, spring or anvil assembly to disengagement from the gas spring, spring or anvil assembly. The anvil and/or anvil assembly are operatively coupled to the gas spring or spring such that after the drive mechanism disengages them, the gas spring piston or the spring moves to imparts a force on the anvil to cause the anvil to move and drive a fastener. The mass of the anvil assembly is preferably greater than 50% of the total mass of the anvil assembly and gas spring moving mass. The gas spring is configured such that the pressure increase during the movement of the gas spring piston by the drive mechanism is less than 30% of the initial pressure in the gas spring.

IPC 8 full level
B25C 1/06 (2006.01); **B25C 1/04** (2006.01)

CPC (source: EP)
B25C 1/04 (2013.01); **B25C 1/06** (2013.01)

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

DOCDB simple family (publication)
WO 2017015654 A1 20170126; AU 2016297660 A1 20180301; AU 2016297660 B2 20180510; CA 2993187 A1 20170126;
CA 2993187 C 20231212; EP 3325217 A1 20180530; EP 3325217 A4 20190724; EP 3325217 B1 20210224; ES 2874088 T3 20211104

DOCDB simple family (application)
US 2016043825 W 20160725; AU 2016297660 A 20160725; CA 2993187 A 20160725; EP 16828681 A 20160725; ES 16828681 T 20160725