

Title (en)
FASTENER DRIVING APPARATUS

Title (de)
GERÄT ZUM EINTREIBEN EINER BEFESTIGUNG

Title (fr)
APPAREIL DE COMMANDE DE DISPOSITIF DE FIXATION

Publication
EP 2635408 A4 20150805 (EN)

Application
EP 11838622 A 20111031

Priority
• US 41014910 P 20101104
• US 201113104996 A 20110511
• US 2011058591 W 20111031

Abstract (en)
[origin: WO2012061295A2] A fastener driving apparatus includes a power source, a control circuit, a motor, a first cylinder, a first piston, a linear motion converter, a second cylinder, a second piston, an anvil, a retention element retaining a component of the apparatus, and at least one sensor. During a compression stroke, the first piston compresses gas in a first cylinder to a predetermined pressure. Compressed gas is communicated to the second cylinder and the retention force of the retention element is overcome, to release the retained component of the apparatus, thereby causing the second piston to move linearly and enabling the anvil to drive the fastener into the workpiece. During a return stroke of the first piston, a vacuum created in the first cylinder is communicated to the second cylinder, causing the second piston and the anvil to retract to their initial positions.

IPC 8 full level
B25C 1/04 (2006.01); **B25C 1/18** (2006.01); **B25C 5/13** (2006.01); **B27F 7/09** (2006.01)

CPC (source: EP)
B25C 1/047 (2013.01); **B25C 1/06** (2013.01); **B25C 5/13** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2012061295A2

Cited by
CN108044734A

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 2012061295 A2 20120510; WO 2012061295 A3 20120913; AU 2011323622 A1 20140814; CA 2816941 A1 20120510; CA 2816941 C 20190122; EP 2635408 A2 20130911; EP 2635408 A4 20150805; EP 2635408 B1 20160928; MX 2013004938 A 20131104; MX 344420 B 20161215

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