

Title (en)
Fastener driving device

Title (de)
Eintreibgerät für Befestigungsmittel

Title (fr)
Dispositif d'enfoncement d'éléments de fixation

Publication
EP 1350603 A3 20071017 (EN)

Application
EP 03252175 A 20030407

Priority
• US 36980202 P 20020405
• US 36988402 P 20020405

Abstract (en)
[origin: EP1350603A2] A fastener driving device (10) includes a housing containing a chamber (20) for storing compressed air a cylinder structure (34) disposed within the housing, a piston (26) movably disposed within the cylinder, a driver (33) connected to the piston, a main valve (38) cooperable with the cylinder structure and movable between an open position and a closed position. The main valve (38) in its open position allows air to move the piston through a drive stroke. The fastener driving device also includes a trigger valve (36) operable between first and second positions. The trigger valve in its first position communicates air pressure from the chamber (20) to the main valve (38) through a signal passageway (43) so as to retain the main valve in a closed position. The trigger valve in its second position allows the air to be exhausted to atmosphere through the signal passageway (43) to permit the main valve to open. The cylinder (34) and the signal passageway (43) comprise an integrally molded structure.

IPC 8 full level
B25C 1/00 (2006.01); **B25C 1/04** (2006.01)

CPC (source: EP)
B25C 1/008 (2013.01); **B25C 1/042** (2013.01)

Citation (search report)
• [Y] US 3673922 A 19720704 - DOYLE RICHARD H
• [Y] US 4252175 A 19810224 - WHIPPLE ROGER B
• [Y] JP S5484118 A 19790704 - FUJI HEAVY IND LTD
• [Y] FR 2661353 A1 19911031 - SOFRAGRAF IND [FR]
• [A] JP H05312101 A 19931122 - MAZDA MOTOR
• [A] GB 2236556 A 19910410 - HONDA MOTOR CO LTD [JP]

Cited by
CN103372845A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
EP 1350603 A2 20031008; EP 1350603 A3 20071017

DOCDB simple family (application)
EP 03252175 A 20030407