

Title (en)
Fastener driving device

Title (de)
Eintreibgerät für Befestigungsmittel

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

Publication
EP 1350604 A3 20070725 (EN)

Application
EP 03252176 A 20030407

Priority
US 36988402 P 20020405

Abstract (en)
[origin: EP1350604A2] A fastener driving device (10) comprises a housing having a chamber constructed and arranged to contain compressed air, a cylinder (34) disposed within the housing, a piston (26) disposed within the cylinder and movable between upper and lower positions within the cylinder, a fastener striker (33) connected with the piston, a main valve (38) and trigger valve (36). The main valve is formed from a resilient material having a first portion (42) thereof sealingly engaged with a first portion (74a, 74b) of the cylinder. The main valve has a second portion (39) thereof movable between a sealing position with a second portion of the cylinder and an unsealed position as a result of flexing of the resilient material. The unsealed position permitting the compressed air to force the piston to move from the upper position to the lower position to enable the fastener striker to move through a fastener driving stroke. The trigger valve (36) is carried by the housing. The trigger valve is actuatable to vary air pressure in the vicinity of the main valve to enable the second portion (39) of the main valve to move from the sealing position to the unsealed position.

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)

- [XY] US 4688710 A 19870825 - MASSARI JR DONALD J [US], et al
- [XY] US 3822819 A 19740709 - WILSON S, et al
- [YA] US 4039113 A 19770802 - MALES ROBERT E
- [A] US 6173963 B1 20010116 - HO ROMAN [TW], et al
- [A] GB 1199060 A 19700715 - FASTENER CORP [US]

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)
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