

Title (en)
Fastener driving tool

Title (de)
Werkzeug zum Eintreiben von Befestigungselementen

Title (fr)
Outil entraînant une attache

Publication
EP 2161104 A1 20100310 (EN)

Application
EP 08015755 A 20080907

Priority
EP 08015755 A 20080907

Abstract (en)
A pneumatic fastener driving tool comprising a housing assembly (2) including a main housing portion (3) and a handle portion (4) extending from the main housing portion (3), whereas a cylinder (62), a piston (63) which is movable arranged within the cylinder (62), and a fastener driving element (77) which is operatively connected to the piston are included in the main housing portion, said fastener driving element (77) is provided for driving fasteners which are successively feedable into a fastener driving track from a magazine assembly (5), a trigger assembly (20) having an actuatable trigger (21) which is operatively connected with a trigger valve (22) for opening and sealing a pressure reservoir (25), a main valve (26) for closing and opening a passageway between said trigger assembly (20) and said piston(63), whereas said main valve (26) is arranged in the passageway for compressed air between the trigger assembly (20) and the piston (63), a single fire control means for switching the fastener driving tool into a single fire mode in which the fastener driving tool performs for each actuation of the tool, particularly the trigger (21), only one stroke of the piston in order to eject only one fastener, an automatic fire frequency control means for adjusting in another mode than the single fire mode a frequency of the fastener driving tool with which the fastener driving tool performs for each actuation of the tool, particularly of the trigger (21), a plurality of strokes in order to eject successively a plurality of strokes. In order to improve the ergonomic properties of such fastener driving tools said single fire control means and said automatic fire control means can be arranged at two different locations at the fastener driving tool.

IPC 8 full level
B25C 1/04 (2006.01)

CPC (source: EP)
B25C 1/041 (2013.01)

Citation (search report)
• [A] US 3572572 A 19710330 - READYHOUGH PETER A, et al
• [A] US 5522532 A 19960604 - CHEN JACOB [TW]
• [A] US 4550643 A 19851105 - SCHWARTZENBERGER JULIUS W [US]
• [A] US 2006278678 A1 20061214 - SEGURA RICARDO [US]

Cited by
USD873106S; EP2842695A1

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

Designated extension state (EPC)
AL BA MK RS

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