

Title (en)
AUTOMATIC SELF-ADVANCING MACHINE FOR APPLYING INSERTS

Publication
EP 0338406 A3 19910109 (EN)

Application
EP 89106536 A 19890412

Priority
IT 2026588 A 19880420

Abstract (en)
[origin: EP0338406A2] Self-advancing automatic machine for applying inserts, including an internally hollow body (1) which is closed at one end by a bottom (2) and, at the other end, by a dome (3) associated with an insert-holder head (5). An active element (10) is accommodated in said body and a tool (11) is connected thereto. The peculiarity of the invention resides in the fact that it comprises, inside the body, a first chamber (20) which is defined in the portion proximate to the bottom and in which an advancement piston (21) is movable and is associated with the active element, and a second chamber (30) in the portion proximate to said dome, in which a positioning piston (31) is sealingly movable and is adapted to interact with the active element (10). A first inlet (40) is furthermore provided in the bottom for the passage of pressurized fluid in the first chamber and so is a second inlet (45) in the dome for the passage of pressurized fluid in the second chamber. Valve means (50) are furthermore provided and control the passage of fluid from the second chamber for the controlled translatory motion of the active element.

IPC 1-7
B25B 21/00; **B25F 5/00**

IPC 8 full level
B25B 21/00 (2006.01); **B25B 23/04** (2006.01); **B25C 1/00** (2006.01)

CPC (source: EP)
B25B 21/00 (2013.01); **B25B 23/04** (2013.01); **B25C 1/048** (2013.01)

Citation (search report)
• [AD] EP 0113421 A2 19840718 - ZUCCHELLI MARIO
• [A] FR 1531657 A 19680705 - GEDIC
• [A] US 3283791 A 19661108 - KARL WEBER
• [A] DE 1814349 A1 19690724 - GEORGE H HUGHES LTD
• [A] FR 2196882 A1 19740322 - WEBER SCHRAUBAUTOMATEN [DE]

Cited by
DE102007035959A1; DE4334940A1; DE19842378C2; DE102007035958A1; US5862724A; EP0820839A4; US6026713A; DE19829839C2; EP0608782A1; EP0480347A3; ITVI20090223A1; WO2011033349A1; WO9111295A1

Designated contracting state (EPC)
CH DE ES FR GB GR LI SE

DOCDB simple family (publication)
EP 0338406 A2 19891025; **EP 0338406 A3 19910109**; IT 1216607 B 19900308; IT 8820265 A0 19880420

DOCDB simple family (application)
EP 89106536 A 19890412; IT 2026588 A 19880420