

Title (en)
APPLICATOR FOR OPERATING CARTRIDGES

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EP 0331942 B1 19920506 (DE)

Application
EP 89102716 A 19890217

Priority
CH 84788 A 19880307

Abstract (en)
[origin: EP0331942A1] The applicator (10) has holding means (6, 7, 8) for interchangeably receiving cartridges (30), for example double cartridges for two-component systems. Extendable tappets (4) driven by means of auxiliary energy (for example pneumatically, electromotively etc) serve for advancing the conveying pistons (32) in the cartridge cylinders (31) when expelling the contents of the cartridge. To control the auxiliary energy, a valve (20, 21) is installed in the device handle (3) so as to be actuatable using the trigger lever (12). If the tappets (4) are extended without a cartridge (30) being inserted in the application position, this could result in injuries or damage to property. In order to prevent this, a cartridge sensing bar (13) is provided, for example displaceably guided in the release lever (12) and provided with a locking cam (18). Without a cartridge (30) inserted, the sensing bar (13) is held in the locking position by means of a spring (15) and the locking cam (18) is located opposite a stop (9), by which means the actuation of the release lever (12) and thus the extension of the tappet (4) is blocked. The sensing bar (13) is held in the release position (below stop surface 11) by a cartridge (30) correctly inserted in the application position, as a result of which the locking cam (18) is released and the triggering of the tappet drive is possible. The tappets (4) are then extended without risk within the cartridge cylinder (31). <IMAGE>

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B05C 17/00

IPC 8 full level
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CPC (source: EP US)
B05B 12/0026 (2018.07 - EP US); **B05C 17/00553** (2013.01 - EP US); **B05C 17/015** (2013.01 - EP US)

Cited by
US5711782A; US5224629A; US5284500A

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EP 0331942 A1 19890913; **EP 0331942 B1 19920506**; DE 58901301 D1 19920611; ES 2030925 T3 19921116; JP H01274969 A 19891102; JP H0661708 B2 19940817; US 5054655 A 19911008

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