

Title (en)
Writing instrument.

Title (de)
Schreibgerät.

Title (fr)
Instrument à écrire.

Publication
EP 0388632 B1 19931208 (DE)

Application
EP 90102836 A 19900213

Priority
DE 3909377 A 19890322

Abstract (en)
[origin: EP0388632A2] Various forms of switching devices for ball-point pens are known, by means of which the insert is received so as to be longitudinally displaceable between a retracted and a writing position inside a shaft (1) with the assistance of a spring. However, the essential feature of the known embodiments is that a plurality of movable construction elements interact within the framework of the switching device. To simplify the assembly, but in particular to reduce the components required in total within the framework of the switching device, a writing instrument according to the invention is proposed, whose switching device consists solely of an insert part (7), arranged fixedly inside the shaft (1), and an actuating device (4) which is arranged movably inside said insert part and constructed integrally with the pusher (3). The actuating device (4) has a component which is intended to engage with the insert part (7), can be deflected elastically and is swivelled into mutually perpendicular planes for engagement or disengagement. The said component, constructed as a switching rod (13), is provided with switching teeth (22, 23) which interact with control cams of the insert part (7). Both construction elements forming the switching device are constructed as plastic injection mouldings which allow smooth switching movements and secure switching positions. <IMAGE>

IPC 1-7
B43K 24/08

IPC 8 full level
B43K 24/08 (2006.01)

CPC (source: EP KR US)
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EP 0388632 A2 19900926; EP 0388632 A3 19910502; EP 0388632 B1 19931208; AT E98164 T1 19931215; DE 3909377 A1 19900927; DE 3909377 C2 19911114; DE 59003738 D1 19940120; ES 2047174 T3 19940216; JP H0327989 A 19910206; KR 0120923 B1 19971022; KR 900014159 A 19901023; US 5145272 A 19920908

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