

Title (en)

Spring spindle, in particular a square-spindle for a handle

Title (de)

Federstift, insbesondere einen Vierkantstift für einen Drücker

Title (fr)

Axe à ressort, notamment un carré de poignée

Publication

EP 0984119 A3 20030122 (DE)

Application

EP 99116693 A 19990826

Priority

DE 19839815 A 19980901

Abstract (en)

[origin: EP0984119A2] A door latch fitting has the square operating bar, to which is fitted the door handle, fitted with a spring element to take up any play in the fitting. Two adjacent sides of the bar are machined to form a recess to take the spring strip. The edge between the machined sections is rounded (4) to allow the spring strip to flex. The spring strip is shaped with sprung profiles and has a V-shaped profile with an angle of 90 deg. The spring is made from metal strip and extends for the length of the bar.

IPC 1-7

E05B 3/00; E05B 3/08; E05B 15/04; E05B 3/04

IPC 8 full level

E05B 3/04 (2006.01); E05B 3/08 (2006.01); E05B 63/00 (2006.01)

CPC (source: EP)

E05B 3/04 (2013.01); E05B 3/08 (2013.01); E05B 63/006 (2013.01)

Citation (search report)

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- [XY] DE 7426528 U 19760212
- [X] DE 1887227 U 19640206 - GOLDSCHMIDT O H G GEB [DE]
- [YA] DE 949276 C 19560913 - ENGSTFELD WILH FA
- [YA] DE 1011770 B 19570704 - ENGSTFELD WILH FA

Cited by

EP1524389A1; EP1749953A3; EP3231966A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0984119 A2 20000308; **EP 0984119 A3 20030122**; **EP 0984119 B1 20060503**; AT E325245 T1 20060615; DE 19839815 A1 20000309; DE 59913378 D1 20060608; DK 0984119 T3 20060612; ES 2264232 T3 20061216

DOCDB simple family (application)

EP 99116693 A 19990826; AT 99116693 T 19990826; DE 19839815 A 19980901; DE 59913378 T 19990826; DK 99116693 T 19990826; ES 99116693 T 19990826