

Title (en)  
Locking devices and keys for use therewith.

Title (de)  
Schloss und Schlüssel.

Title (fr)  
Serrure et clé.

Publication  
**EP 0202949 A2 19861126 (EN)**

Application  
**EP 86303931 A 19860523**

Priority  
DE 3518743 A 19850524

Abstract (en)  
A locking device of the cylinder-type has an additional tumbler (21) movable in a bore (22) extending in a direction parallel to the longitudinal central plane of the keyway (10) and opening into a side wall (10 min ) of the keyway. The tumbler (21) has an enlarged head (24) in which a run-up slope (26) is provided extending lengthwise of the keyway (10). A key (12) has a control element (pin) (18) captive in a transverse bore (15) in the blade (11), said pin being caused to project, by engagement of one end with an abutment in the opposite side wall (10 sec ) of the keyway (10), with its opposite end beyond the wide side of the key, thus to operate the additional tumbler (21). The diameter of the pin (18) is substantially less than the lengthwise dimension of the run-up slope (26).

IPC 1-7  
**E05B 27/00**

IPC 8 full level  
**E05B 27/00** (2006.01); **E05B 35/00** (2006.01)

CPC (source: EP)  
**E05B 27/0078** (2013.01); **E05B 35/003** (2013.01)

Cited by  
US5079936A; EP0237172A3; GB2230555A; GB2230555B; FR2656027A1; BE1003468A5; US5438857A; EP0621384A1; US5457974A; EP0436496A1; EP0431550A1; WO2024180278A1; WO2021067837A1; US11280111B2; US11624206B2

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**EP 0431550 A1 19910612**; AT E64980 T1 19910715; DE 3518743 A1 19861127; DE 3518743 C2 19870827; DE 3680027 D1 19910808; EP 0202949 A2 19861126; EP 0202949 A3 19880120; EP 0202949 B1 19910703; ES 294528 U 19870101; ES 294528 Y 19870816

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**EP 90123201 A 19860523**; AT 86303931 T 19860523; DE 3518743 A 19850524; DE 3680027 T 19860523; EP 86303931 A 19860523; ES 294528 U 19860523