

Publication

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Application

**EP 99105001 A 19990318**

Priority

- DE 19815212 A 19980404
- DE 29806241 U 19980404
- DE 19831198 A 19980711

Abstract (en)

[origin: EP0953699A2] The two flat sides of the key shaft (2) have longitudinal grooves and or ridges which differ from the longitudinal profile of the tip part. The shaft at the key-bit has at least one key notch (5') in the key-bit in the tip part (4).for controlling a tumbler pin. The tip profile is thinner than the shaft profile so that it is contained inside the shaft profile.

IPC 1-7

**E05B 19/00**

IPC 8 full level

**E05B 15/08** (2006.01); **E05B 19/00** (2006.01); **E05B 27/00** (2006.01)

CPC (source: EP)

**E05B 15/08** (2013.01); **E05B 27/0042** (2013.01); **E05B 19/0052** (2013.01); **E05B 27/0007** (2013.01)

Citation (search report)

- [XA] WO 9106733 A1 19910516 - MEDECO SECURITY LOCKS [US]
- [A] EP 0634542 A1 19950118 - TRIOVING AS [NO]
- [A] US 4478061 A 19841023 - PREDDEY BRIAN F [AU]
- [A] DE 1553388 A1 19701210 - KESO AG
- [A] DE 2609777 A1 19761111 - GRUNDMANN ROHRBACHER SCHLOSSER, et al

Cited by

EP2031160A3; EP2360334A3; EP2990567A1; EP1806467A3; EP2031160A2; EP2770139A3

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