

Title (en)
Flat key

Title (de)
Flachschlüssel

Title (fr)
Clef plate

Publication
EP 0838568 A1 19980429 (DE)

Application
EP 97112571 A 19970722

Priority
DE 19644308 A 19961024

Abstract (en)
The key has an aperture (3) for a transponder, at least one ferrite coil antenna and a cable for connecting the transponder and antenna. The coil is on the side of the aperture facing the key shaft (5). The groove-shaped aperture extends from one narrow side (4) of the key shaft around the remaining narrow sides (6,7,8) to the other narrow side (9) of the shaft. A ferrite coil (21,22) is mounted in each narrow side and connected to the code generator (20) via a cable (23,24). The coils, code generator and cables are enclosed by metal on three sides.

Abstract (de)
Ein Flachschlüssel (2) aus Metall weist in der Schmalseite der Schlüsselreide (1) eine nutförmige Ausnehmung (3) zur Aufnahme eines Transponders (20) als Codegeber, einer Ferrit-Spule (21,22) und einer Leitung zur Verbindung der Ferrit-Spule mit dem Codegeber auf. <IMAGE>

IPC 1-7
E05B 49/00; **E05B 19/04**

IPC 8 full level
E05B 19/04 (2006.01); **E05B 49/00** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP US)
E05B 19/04 (2013.01 - EP US); **G07C 9/00944** (2013.01 - EP US); **Y10T 70/7057** (2015.04 - EP US); **Y10T 70/7068** (2015.04 - EP US); **Y10T 70/7079** (2015.04 - EP US); **Y10T 70/7802** (2015.04 - EP US); **Y10T 70/7876** (2015.04 - EP US); **Y10T 70/7904** (2015.04 - EP US)

Citation (search report)

- [A] DE 8911016 U1 19891026
- [A] EP 0559158 A1 19930908 - WINKHAUS FA AUGUST [DE]
- [A] DE 3244566 A1 19840614 - ANGEWANDTE DIGITAL ELEKTRONIK [DE]

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EP2709074A1; EP3536879A1; US6227020B1; WO2004066220A1; WO9942688A1

Designated contracting state (EPC)
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