

Title (en)
Electronic flat key

Title (de)
Elektronischer Flachschlüssel

Title (fr)
Clé plate électronique

Publication
EP 1096083 A3 20030115 (DE)

Application
EP 00402949 A 20001024

Priority
DE 19952247 A 19991029

Abstract (en)
[origin: DE19952247C1] The flat key has a grip part (2) provided by a housing (4) with two housing half shells (5,6) of metal or a metalized plastics, enclosing an electronic circuit (12) for remote operation of a lock or a central locking system and providing a battery compartment (16), receiving the supply source battery (17) for the electronic circuit. The key shaft (3) is pivoted relative to the grip part between a stowed position in which it lies in a recess provided along the side of the grip part and a projecting operating position. A non-conductive frame element (7) enclosing the electronic circuit fits between the housing half shells, with a part which projects up to the outer surface of the housing.

IPC 1-7
E05B 19/04; **E05B 49/00**; **G07C 9/00**; **A45C 11/32**

IPC 8 full level
A45C 11/32 (2006.01); **E05B 19/04** (2006.01); **E05B 19/08** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP US)
A45C 11/324 (2013.01 - EP US); **E05B 19/043** (2013.01 - EP US); **G07C 9/00944** (2013.01 - EP US); **G07C 2009/00587** (2013.01 - EP US); **G07C 2009/00952** (2013.01 - EP US); **Y10T 70/7808** (2015.04 - EP US); **Y10T 70/7825** (2015.04 - EP US); **Y10T 70/7876** (2015.04 - EP US)

Citation (search report)
• [DA] DE 3902537 A1 19900809 - DAIMLER BENZ AG [DE], et al
• [A] DE 4226579 A1 19940217 - DAIMLER BENZ AG [DE], et al

Cited by
CN104929427A; DE10206534A1; CN103491206A; EP1283315A1; FR2828515A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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