

Title (en)
Key with retractable blade

Title (de)
Schlüssel mit versenkbarem Bart

Title (fr)
Clé à panneton escamotable

Publication
EP 1895079 A1 20080305 (FR)

Application
EP 07119648 A 20030527

Priority
• EP 03101532 A 20030527
• FR 0207807 A 20020624

Abstract (en)
The key has a retractable bit (16) e.g. slat shaped insert, movably mounted in a body between a use position and a retracted position in the body. A driving component (22) of the bit is movably mounted in the body. The driving component is connected to the bit by a hydraulic type movement demultiplication unit (24) having a leveled hydraulic chamber (60). The component forms a control slide movably mounted in the body. A large diameter piston (62) is connected to component, and a small diameter piston (64) is connected to the bit by a flexible link (66) such as cable.

Abstract (fr)
L'invention concerne une clé du type comprenant : - un corps (14), - un panneton (16) monté mobile dans le corps (14) entre une position d'utilisation et une position escamotée dans le corps (14), et - un organe d'entraînement (22) du panneton (16), monté mobile dans le corps (14), Selon l'invention, l'organe d'entraînement (22) est relié au panneton (16) par des moyens de démultiplication de mouvement (24) de type fluide. Application à une clé pour véhicule automobile.

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

CPC (source: EP)
A45C 11/328 (2013.01); **E05B 19/046** (2013.01)

Citation (applicant)
• WO 0138673 A1 20010531 - HUF HUELSBECK & FUERST GMBH [DE], et al
• BE 1005309 A6 19930622 - ADNOUB ABDELKARIM

Citation (search report)
• [AD] WO 0138673 A1 20010531 - HUF HUELSBECK & FUERST GMBH [DE], et al
• [A] EP 1088953 A1 20010404 - VALEO DO BRASIL COM E PARTICIP [BR]
• [A] BE 1005309 A6 19930622 - ADNOUB ABDELKARIM
• [A] FR 2609304 A1 19880708 - FIAT AUTO SPA [IT]
• [A] DE 29618616 U1 19961219 - ZABEL GMBH [DE]

Designated contracting state (EPC)
DE ES FR GB IT

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EP 1375789 A1 20040102; EP 1375789 B1 20080123; DE 60318774 D1 20080313; DE 60318774 T2 20090122; DE 60333047 D1 20100729; EP 1895079 A1 20080305; EP 1895079 B1 20100616; ES 2300540 T3 20080616; FR 2841283 A1 20031226; FR 2841283 B1 20050128

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