

Title (en)  
Flat key for cylindre lock

Title (de)  
Flachschlüssel für Zylinderschloss

Title (fr)  
Clé plate pour serrure cylindrique

Publication  
**EP 0814222 A3 19991013 (DE)**

Application  
**EP 97107535 A 19970508**

Priority  
AT 108496 A 19960619

Abstract (en)  
[origin: EP0814222A2] The control surfaces (11) are formed via rib formations (10) on at least one of the key edges (5,6), the position of which within the key thickness determines the variations. The key has rib formations which are formed by a through, swung control rib on the key edges (5,6). Between the rib formations run inclined connecting sections (12) which are narrower than the rib formations. The rib formations are arranged on the key edges without connecting sections. The control rib or the first rib formation is arranged centrally on the key point (9). The first rib formation runs inclinedly in the direction of the key grip (3) opposite to the central longitudinal plane of the key.

IPC 1-7  
**E05B 19/04**

IPC 8 full level  
**E05B 19/00** (2006.01); **E05B 19/04** (2006.01); **E05B 19/06** (2006.01); **E05B 27/00** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)  
**E05B 19/0017** (2013.01); **E05B 27/0042** (2013.01); **E05B 47/0044** (2013.01); **E05B 19/0052** (2013.01)

Citation (search report)

- [A] DE 3129577 A1 19820805 - EVVA WERKE [AT]
- [A] DE 2702883 A1 19780727 - YMOS METALLWERKE WOLF & BECKER
- [XA] AT 390990 B 19900725 - EVVA WERKE [AT]
- [A] FR 2378927 A1 19780825 - YMOS METALLWERKE WOLF & BECKER [DE]
- [XA] AT 368795 B 19821110 - EVVA WERKE [AT]
- [A] US 3413831 A 19681203 - ALOIS CREPINSEK

Cited by  
AT503121B1; CN104453382A; RU2642549C1; EP1867810A1; EA014634B1; WO2016078899A1; WO2016078900A1; WO2007082580A1; WO2007144093A1

Designated contracting state (EPC)  
AT BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0814222 A2 19971229; EP 0814222 A3 19991013; EP 0814222 B1 20020213**; AT 407272 B 20010226; AT A108496 A 20000615; AT E213302 T1 20020215; CZ 145097 A3 19980218; CZ 288671 B6 20010815; DE 59706359 D1 20020321; DK 0814222 T3 20020318; HU 218324 B 20000728; HU 9700875 D0 19970630; HU P9700875 A1 19980528; NO 320886 B1 20060206; NO 972189 D0 19970513; NO 972189 L 19971222; SK 284042 B6 20040803; SK 63997 A3 19980204

DOCDB simple family (application)  
**EP 97107535 A 19970508**; AT 108496 A 19960619; AT 97107535 T 19970508; CZ 145097 A 19970513; DE 59706359 T 19970508; DK 97107535 T 19970508; HU P9700875 A 19970509; NO 972189 A 19970513; SK 63997 A 19970521