

Title (en)  
Combination of a flat key and a cylinder lock

Title (de)  
Kombination eines Flachschlüssels und eines Zylinderschlosses

Title (fr)  
Combinaison d'une clé plate et d'une serrure cylindrique

Publication  
**EP 1712714 B1 20100407 (DE)**

Application  
**EP 05022561 A 20051017**

Priority  
AT 6142005 A 20050412

Abstract (en)  
[origin: EP1712714A1] The key (1) has at least three control grooves on at least one of the two side surfaces and at least one groove is deeper than the others. The two shallow grooves are approximately parallel and the key may have further control elements such as cuts on the shaft (3) for pin tumblers. Control surface son the back, longitudinal ribs and grooves in the thrust direction (5) and millings on the side surfaces. Both shallow grooves are wider in the region from the key tip (10) to at least the first control point (23). An independent claim is also included for a lock for the inventive key.

IPC 8 full level  
**E05B 19/00** (2006.01); **E05B 27/10** (2006.01)

CPC (source: EP US)  
**E05B 27/0078** (2013.01 - EP US); **E05B 27/0082** (2013.01 - EP US); **E05B 27/10** (2021.08 - EP); **E05B 19/0052** (2013.01 - EP US); **E05B 27/10** (2021.08 - US); **Y10T 70/7616** (2015.04 - EP US); **Y10T 70/7881** (2015.04 - EP US)

Cited by  
US8448485B1; US10458150B2; RU2732876C2; AU2017231709B2; WO2016037882A1; US10619379B2; US11661764B2; EP3219884A1; WO2017153557A1

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