

Title (en)
Flat key for a cylindrical lock

Title (de)
Flachschlüssel für Zylinderschloss

Title (fr)
Clé plate pour serrure cylindrique

Publication
EP 1106756 A3 20011212 (EN)

Application
EP 00126232 A 20001201

Priority
IT MI992561 A 19991210

Abstract (en)
[origin: EP1106756A2] The present invention refers to a flat key for a cylindrical lock, of the kind with a rotor rotating within a stator, comprising at least first and second means of engagement lined up between themselves and lined up with at least a first and/or second interference organ, also lined up between themselves, in order to activate them in a suitable manner to allow for the rotation of said rotor within said stator, said first means of engagement being defined by crests which protrude by at least one face of said key or which coincide with said face and said second means of commitment being defined by indentations placed below said face and extracted from the structure of said key, characterised in that it includes at least third means of commitment aimed at activating only at least one third interference organ, lined up with said first and second interference means, and cooperating with the latter to allow for rotation of said rotor within said stator. <IMAGE>

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E05B 19/00; **E05B 27/00**

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E05B 19/0017 (2013.01); **E05B 27/0021** (2013.01); **E05B 27/0042** (2013.01)

Citation (search report)

- [XY] GB 2161204 A 19860108 - TALLERES ESCORIAZA SA
- [Y] US 4823575 A 19890425 - FLORIAN DAVID W [US], et al
- [X] AT 396501 B 19931025 - EVVA WERKE [AT]
- [XA] FR 2736084 A1 19970103 - IND CERRAJERA SA [ES]
- [A] DE 19522609 A1 19951116 - GOLUB DANIJEL [DE]
- [A] WO 9803754 A1 19980129 - INT SECURITY PROD INC [US]
- [A] EP 0899398 A1 19990303 - ISEO SERRATURE SPA [IT]
- [A] US 5074136 A 19911224 - KIM YOUNG C [KR], et al

Cited by
EP2022912A3; EP1582662A1; EP1593800A3; DE102022127488A1; WO2016098133A1; DE102022109467A1; EP1593800A2; EP2290178A2; DE102009039502A1

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