

Title (en)
CYLINDER LOCK.

Title (de)
ZYLINDERSCHLOSS.

Title (fr)
SERRURE A CYLINDRES.

Publication
EP 0521006 B1 19940914

Application
EP 91905097 A 19910308

Priority
• NO 901133 A 19900312
• NO 9100037 W 19910308

Abstract (en)
[origin: WO9114064A1] Cylinder lock comprising a plug (1) having a key channel (2), a housing (3) surrounding the plug and a number of bores (11-17) in the plug and the housing for divided locking pins (21) adapted to be shifted in their longitudinal direction in the bores by means of a key inserted in the key channel (2). An intermediate sleeve (5) is provided between the plug (1) and the housing (3), and is adapted to be rotated about the same axis (10) as the plug. The sleeve (5) has bores corresponding to the bores (11-17) in the housing, for through-going locking pins (21). The locking pins are divided for establishing shear surfaces both between the plug (1) and the sleeve (5) and between the sleeve (5) and the housing (3), upon insertion of a correct key. An additional bore (19) for an auxiliary pin (20) is provided in the housing (3) and the sleeve (5) and adapted to be engaged by surfaces (1A, 1B) on the plug (1), so that the blocking effect of the auxiliary pin with respect to the sleeve (5) in relation to the housing (3), is removed when the plug (1) is rotated through a given angle in relation to the sleeve. Drive means (7, 9) are adapted to transfer the rotation of the plug beyond said given angle, into movement of a blocking member in a lock, for example a locking bolt.

IPC 1-7
E05B 27/00

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

CPC (source: EP)
E05B 27/001 (2013.01)

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

DOCDB simple family (publication)
WO 9114064 A1 19910919; AT E111555 T1 19940915; DE 69104035 D1 19941020; DK 0521006 T3 19941017; EP 0521006 A1 19930107; EP 0521006 B1 19940914; NO 170435 B 19920706; NO 170435 C 19921014; NO 901133 D0 19900312; NO 901133 L 19910913

DOCDB simple family (application)
NO 9100037 W 19910308; AT 91905097 T 19910308; DE 69104035 T 19910308; DK 91905097 T 19910308; EP 91905097 A 19910308; NO 901133 A 19900312