

Title (en)
Double-bit safety lock

Title (de)
Sicherheitsschloss mit Doppelbartschloss

Title (fr)
Verrou de sécurité à double panneton

Publication
EP 2532811 A1 20121212 (EN)

Application
EP 12171235 A 20120608

Priority
IT TO20110510 A 20110609

Abstract (en)
The lock comprises a box-shaped body (10) inside which a bolt (12) slidable along a first direction and a set of adjacent tumblers (14a, 14b) movable along a second direction orthogonal to the first direction are housed. Each tumbler (14a, 14b) has a toothed opening (30), a recess (26) and an upper slot (22) and a lower slot (24). A pin (44) protruding transversally from the bolt (12) passes through all the openings (30); a first guiding pin (40) fixed to the box-shaped body (10) passes through all the upper slots (22) and a second guiding pin (42) fixed to the box-shaped body (10) passes through all the lower slots (24). The lock also comprises: an auxiliary element (36) having an eyelet-shaped through-hole (38) and arranged within the upper slot (22) of at least one tumbler (14b), the first guiding pin (40) passing through the eyelet-shaped hole (38); and a device which is associated with the box-shaped body (10) and is suitable for stopping any movement along the second direction of the tumbler (14b), inside the upper slot (22) of which the auxiliary element (36) is inserted.

IPC 8 full level
E05B 21/00 (2006.01); **E05B 17/20** (2006.01)

CPC (source: EP)
E05B 21/00 (2013.01); **E05B 17/2092** (2013.01)

Citation (applicant)
• EP 0903455 A2 19990324 - ITALIANA SERRATURE AFFINI [IT]
• WO 2009057170 A1 20090507 - CISA SPA [IT], et al

Citation (search report)
• [IDA] WO 2009057170 A1 20090507 - CISA SPA [IT], et al
• [IDA] EP 0903455 A2 19990324 - ITALIANA SERRATURE AFFINI [IT]

Cited by
IT201900003473A1; IT201600071113A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2532811 A1 20121212; IT TO20110510 A1 20121210

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