

Title (en)
BREAK-IN RESISTANT LOCK

Title (de)
EINBRUCHSSICHERES SCHLOSS

Title (fr)
SERRURE ANTIEFFRACTION

Publication
EP 4158139 A1 20230405 (EN)

Application
EP 20754051 A 20200601

Priority
IT 2020000046 W 20200601

Abstract (en)
[origin: WO2021245712A1] A break-in resistant cylinder lock (1) of the type comprising a stator (2) which is provided with a substantially cylindrical longitudinal cavity (3) for accommodating a rotor (4) with a longitudinal seat (5) for the insertion of a key (6). The rotor (4) and the stator (2) comprise a plurality of channels (7), which are substantially aligned and facing when the cylinder (1) is in the locked configuration. The channels (7) accommodate respective pins (8), counterpins (9) and optional elastic means (7a) that are adapted to prevent the rotation of the rotor (4) in the stator (2) in the absence of the key (6) from the longitudinal seat (5). At least one of the counterpins (9) comprises at least one external bushing (10) which is provided with at least one respective through hole (11) at the head and at least one contoured inner insert (12) that can slide within the bushing (10) and which is provided with a protruding terminal projection (13) with shape and dimensions that are complementary to those of the through hole (11) of the bushing (10) in order to slide within the hole (11).

IPC 8 full level
E05B 27/00 (2006.01)

CPC (source: EP)
E05B 27/0021 (2013.01); **E05B 27/0071** (2013.01)

Citation (search report)
See references of WO 2021245712A1

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DOCDB simple family (publication)
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