

Title (en)
PROGRAMMABLE LOCK CYLINDER

Title (de)
PROGRAMMIERBARER SCHLIESSZYLINDER

Title (fr)
CYLINDRE DE FERMETURE PROGRAMMABLE

Publication
EP 3924578 B1 20230607 (DE)

Application
EP 20705646 A 20200211

Priority
• CH 1762019 A 20190212
• EP 2020053499 W 20200211

Abstract (en)
[origin: WO2020165186A1] A mechanically programmable lock cylinder has a rotor and a stator having a plurality of tumbler holes for accommodating tumbler-counter tumbler pairs. In at least one of said tumbler holes, a tumbler element (2) is inserted, which comprises at least a main body (21), which defines a tumbler axis which coincides with an axis of the holes, and comprises a programming-part assembly. The main body has a radially inner end part (21) which protrudes into the keyway in order to feel a coding of the key. The main body also comprises a plurality of predetermined breaking points (25). The programming-part assembly is retained by the main body and has at least one separating joint. The programming-part assembly can be slid relative to the main body along the tumbler axis, such that the separating joint (39) can be aligned selectively with one of the predetermined breaking points (25).

IPC 8 full level
E05B 27/00 (2006.01)

CPC (source: CH EP)
E05B 17/0062 (2013.01 - EP); **E05B 27/0017** (2013.01 - EP); **E05B 27/005** (2013.01 - CH EP); **E05B 27/0053** (2013.01 - EP)

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

DOCDB simple family (publication)
CH 715834 A1 20200814; CN 113412356 A 20210917; CN 113412356 B 20230221; EP 3924578 A1 20211222; EP 3924578 B1 20230607; EP 3924578 C0 20230607; WO 2020165186 A1 20200820

DOCDB simple family (application)
CH 1762019 A 20190212; CN 202080013086 A 20200211; EP 2020053499 W 20200211; EP 20705646 A 20200211