

Title (en)

LOCK SYSTEM COMPRISING A CYLINDER LOCK AND A FLAT KEY

Title (de)

SCHLIEßSYSTEM MIT EINEM ZYLINDERSCHLOSS UND EINEM FLACHSCHLÜSSEL

Title (fr)

SYSTÈME DE SERRURE COMPRENANT UNE SERRURE À BARILLET ET UNE CLÉ PLATE

Publication

EP 4139545 A1 20230301 (DE)

Application

EP 21719556 A 20210413

Priority

- AT 503382020 A 20200420
- EP 2021059494 W 20210413

Abstract (en)

[origin: WO2021213838A1] The invention relates to a lock system with: a cylinder lock, comprising a cylindrical core (2) rotatably mounted in a housing (12) and having a keyway (20) and core pins (4) that can be moved into the keyway (20), wherein at least one core pin (4) has a engagement extension (5) at the end pointing in the direction of the keyway (20) and extending in the direction of the keyway (20); as well as a flat key (1) for locking the cylinder lock, comprising at least one encoded lateral surface (23) running along a longitudinal extension of the flat key (1) and with control points arranged along the longitudinal extension, wherein at least one milled notch (6) is provided at at least one control point, which is designed for receiving the engagement extension (5) when introducing the flat key (1) into the keyway (20).

IPC 8 full level

E05B 19/00 (2006.01); **E05B 27/00** (2006.01)

CPC (source: AT EP IL)

E05B 19/0023 (2013.01 - EP IL); **E05B 19/0035** (2013.01 - EP IL); **E05B 19/0052** (2013.01 - AT); **E05B 19/0064** (2013.01 - EP IL); **E05B 27/0017** (2013.01 - AT); **E05B 27/0042** (2013.01 - AT); **E05B 27/0078** (2013.01 - EP IL)

Citation (search report)

See references of WO 2021213838A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021213838 A1 20211028; AT 523793 A1 20211115; EP 4139545 A1 20230301; IL 297420 A 20221201

DOCDB simple family (application)

EP 2021059494 W 20210413; AT 503382020 A 20200420; EP 21719556 A 20210413; IL 29742022 A 20221019