

Title (en)
LOCKING DEVICE

Title (de)
SPERRVORRICHTUNG

Title (fr)
DISPOSITIF DE VERROUILLAGE

Publication
EP 4019719 A1 20220629 (EN)

Application
EP 21214582 A 20211215

Priority
SE 2051527 A 20201222

Abstract (en)
The present invention relates to a locking device 1 comprising a rotatably arranged housing 2, a plunger 13 axially movable within the housing 2, a driver 9 rotatably arranged at a first end 18 of the housing 2, the end 18 directed towards the locking mechanism 4, to transfer motion from the housing 2 to the latch 6, a drive means 10 for moving the plunger 13, a transmission construction 12 presenting two optional modes; one for transfer motion from the housing 2 to the driver 9 and one preventing transfer of motion from the housing 2 to the driver 9. The transmission construction 12 comprises a central ball 17 and at least two outer balls 20 arranged in a recess 21 inside the end 18 of the housing 2 and movable inside the cavity 21 to and from ball accommodating cavities 22 depending on the optional mode.

IPC 8 full level
E05B 47/06 (2006.01)

CPC (source: EP SE)
E05B 17/2011 (2013.01 - SE); **E05B 47/0001** (2013.01 - SE); **E05B 47/0012** (2013.01 - SE); **E05B 47/0649** (2013.01 - EP SE); **E05B 47/0692** (2013.01 - EP); **E05B 63/121** (2013.01 - SE); **E05B 47/0615** (2013.01 - EP); **E05B 2047/0023** (2013.01 - EP); **E05B 2047/0026** (2013.01 - SE); **E05B 2047/0028** (2013.01 - EP)

Citation (search report)
• [A] CN 108252573 A 20180706 - GUANGDONG MINGMEN LOCKS INDUSTRY CO LTD
• [A] CN 108386077 A 20180810 - ZHONGSHAN JIXIN CORE LOCK CO LTD
• [A] US 2017356219 A1 20171214 - ROATIS CALIN [US], et al
• [A] US 2010263419 A1 20101021 - CALLEBERG JOHAN [SE]
• [A] DE 10065155 A1 20020627 - SCHULTE ZYLINDERSCHL GMBH [DE]

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 4019719 A1 20220629; EP 4019719 B1 20240327; EP 4019719 C0 20240327; SE 2051527 A1 20220623; SE 544858 C2 20221213

DOCDB simple family (application)
EP 21214582 A 20211215; SE 2051527 A 20201222