

Title (en)
DOOR HANDLE

Title (de)
TÜRDRÜCKER

Title (fr)
POIGNÉE DE PORTE

Publication
EP 3058154 B2 20220119 (DE)

Application
EP 15712557 A 20150317

Priority
• DE 102014103666 A 20140318
• EP 2015055580 W 20150317

Abstract (en)
[origin: WO2015140180A1] The invention relates to a door handle with a door-side output shaft (17) and a handle (10) which faces away from the door, said output shaft and handle having a common rotational axis (2) and being connected via an electromechanical shift clutch. The door handle can be particularly compact and can have a particularly low energy intake for shifting the shift clutch by providing the output shaft (30) with a recess (31), in which a clutch element (40) is movably mounted, on the side facing the handle (10); by providing the door handle (1) with a receiving area (51) for the clutch element (40) opposite the recess; and by arranging a linear drive in the handle, wherein the linear drive acts on the clutch element (40) in order to move the clutch element (40) in the axial direction so far out of the recess that the clutch element engages both into the recess (3) as well as into the receiving area (51) in order to engage the shift clutch, and the clutch element is moved out of the receiving area (51) back into the recess (31) in order to disengage the shift clutch.

IPC 8 full level
E05B 47/06 (2006.01); **E05B 15/04** (2006.01)

CPC (source: EP US)
E05B 3/06 (2013.01 - US); **E05B 13/005** (2013.01 - US); **E05B 15/04** (2013.01 - US); **E05B 47/0001** (2013.01 - US);
E05B 47/068 (2013.01 - EP US); **E05B 2015/0496** (2013.01 - EP US); **E05B 2047/0016** (2013.01 - US); **E05B 2047/002** (2013.01 - US)

Citation (opposition)
Opponent :
• DE 9013254 U1 19910508
• EP 2650457 A1 20131016 - UNITECNIC [FR]

Cited by
DE202024102517U1; DE102021120266A1; WO2023011874A1

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)
WO 2015140180 A1 20150924; DE 102014103666 A1 20150924; DE 102014103666 B4 20151112; DE 102014103666 C5 20190314;
DE 102014103666 C9 20190606; EP 3058154 A1 20160824; EP 3058154 B1 20181219; EP 3058154 B2 20220119; EP 3058154 B8 20220921;
ES 2715884 T3 20190606; ES 2715884 T5 20220425; US 10422162 B2 20190924; US 2017016252 A1 20170119

DOCDB simple family (application)
EP 2015055580 W 20150317; DE 102014103666 A 20140318; EP 15712557 A 20150317; ES 15712557 T 20150317;
US 201615269255 A 20160919