

Title (en)
Electronic cylinder with waterproof structure

Title (de)
Elektronischer Zylinder mit wasserfester Struktur

Title (fr)
Cylindre électronique à structure étanche

Publication
EP 3000954 A1 20160330 (EN)

Application
EP 14186755 A 20140929

Priority
EP 14186755 A 20140929

Abstract (en)
An electronic cylinder includes a knob; a cylinder core connected with the knob; a motor having a protrusion block; a clutch unit; a coupler including a chamber receiving the clutch unit and a front portion having a front end face with an opening constituted by an injection channel indented inwardly from the end face and extending from a first point of a periphery confining the end face, an recess indented inwardly from a bottom surface of the injection channel and an outflow channel indented inwardly from the end face and extending from a second point of the periphery, the bottom of the recess being formed with a hole permitting extension of an axle for engaging the clutch unit, a preventing block in a depth of the opening such that after assembly, the end face abuts against the motor; and a waterproof filler hermetically filling the recess.

IPC 8 full level
E05B 47/06 (2006.01); **E05B 17/00** (2006.01)

CPC (source: EP)
E05B 17/002 (2013.01); **E05B 47/0615** (2013.01); **E05B 47/0642** (2013.01); **E05B 47/0012** (2013.01)

Citation (search report)

- [A] EP 2664736 A2 20131120 - WFE TECHNOLOGY CORP [TW]
- [A] EP 1707712 A1 20061004 - WFE TECHNOLOGY CORP [TW]
- [A] EP 2314808 A1 20110427 - SALTO SYSTEMS SL [ES]

Cited by
CN106088829A; EP4092228A1; CN112197001A

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 3000954 A1 20160330; EP 3000954 B1 20170426

DOCDB simple family (application)
EP 14186755 A 20140929