

Title (en)  
Electronic cylinder with waterproof structure

Title (de)  
Elektronischer Zylinder mit wasserfester Struktur

Title (fr)  
Cylindre électronique à structure étanche

Publication  
**EP 3000954 B1 20170426 (EN)**

Application  
**EP 14186755 A 20140929**

Priority  
EP 14186755 A 20140929

Abstract (en)  
[origin: EP3000954A1] 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 17/00** (2006.01); **E05B 47/06** (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)

Cited by  
CN106088829A; CN112197001A; EP4092228A1

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)  
**EP 3000954 A1 20160330; EP 3000954 B1 20170426**

DOCDB simple family (application)  
**EP 14186755 A 20140929**