

Title (en)

Rotary pneumatic actuator with inside protection and manufacturing process thereof

Title (de)

Pneumatischer Drehantrieb mit Innenschutz und Herstellungsverfahren dafür

Title (fr)

Actionneur pneumatique rotatif doté d'une protection intérieure et son procédé de fabrication

Publication

EP 2570678 A1 20130320 (EN)

Application

EP 11382293 A 20110914

Priority

EP 11382293 A 20110914

Abstract (en)

Pneumatic actuator wherein the actuator casing is made in plastic reinforced with fibreglass and wherein a protective cylinder is disposed in the inner cavity of the actuator which forms an integral part of the casing forming a single part, for which purpose the cylinder is introduced in the mould during the manufacturing process before injection of the plastic. Thanks to this configuration it resolves the problem of wear of the toric elements housed inside the actuator cylinder.

IPC 8 full level

F15B 15/14 (2006.01)

CPC (source: EP)

F15B 15/1428 (2013.01); **F15B 15/06** (2013.01); **F15B 2215/305** (2013.01)

Citation (search report)

- [X] US 4545288 A 19851008 - BURKE ALUN [GB]
- [I] US 3286737 A 19661122 - KELLY JR MARK E
- [I] US 2006118194 A1 20060608 - MECHLER WOLFGANG [DE], et al
- [IA] EP 1847372 A2 20071024 - LUK LAMELLEN & KUPPLUNGSBAU [DE]
- [I] US 2006255047 A1 20061116 - GOTOU MITSUNORI [JP], et al

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)

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