

Title (en)
CONTROL VALVE

Title (de)
REGULIERVENTIL

Title (fr)
SOUPAPE DE RÉGULATION

Publication
EP 2162590 B2 20161012 (DE)

Application
EP 08759105 A 20080609

Priority
• EP 2008004570 W 20080609
• DE 202007009174 U 20070629

Abstract (en)
[origin: US2010192325A1] The invention relates to a regulating valve, which is attachable in particular in a bore, executed with a female thread, of a hydraulic door closer. The regulating valve has a body adjoined by a regulating area. The regulating valve also has a thread provided with an anti-rotation element. The thread, including the anti-rotation element, being screwed into the female thread of the bore. In order to provide a regulating valve of a simple design, in which any unwanted adjustment of the regulating valve during operation is excluded, the anti-rotation element of the regulating valve has a plastic material layer at the thread flanks of the thread. The plastic material layer cooperates with the female thread of the door closer.

IPC 8 full level
E05F 3/12 (2006.01)

CPC (source: EP US)
E05F 3/12 (2013.01 - EP US); **E05Y 2201/20** (2013.01 - EP US); **E05Y 2201/254** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US)

Citation (opposition)
Opponent :
• WO 2008113498 A1 20080925 - DORMA GMBH & CO KG [DE], et al
• EP 0919688 A2 19990602 - INGERSOLL RAND ARCHITECTURAL HARDWARE LTD [GB]
• DE 102004039322 B3 20060413 - DORMA GMBH & CO KG [DE]
• DE 19922916 A1 20000720 - GEZE GMBH [DE]
• US 4148111 A 19790410 - LIEBERMAN SIDENY

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2010192325 A1 20100805; US 8240005 B2 20120814; AT E495333 T1 20110115; CN 101688416 A 20100331;
DE 202007009174 U1 20070830; DE 502008002313 D1 20110224; EP 2162590 A1 20100317; EP 2162590 B1 20110112;
EP 2162590 B2 20161012; ES 2359120 T3 20110518; JP 2010531962 A 20100930; TW M351248 U 20090221; WO 2009003570 A1 20090108

DOCDB simple family (application)
US 66709108 A 20080609; AT 08759105 T 20080609; CN 200880022658 A 20080609; DE 202007009174 U 20070629;
DE 502008002313 T 20080609; EP 08759105 A 20080609; EP 2008004570 W 20080609; ES 08759105 T 20080609;
JP 2010513702 A 20080609; TW 97210462 U 20080613