

Title (en)  
DOOR CLOSER

Title (de)  
TÜRSCHLIESSER

Title (fr)  
FERME-PORTE AUTOMATIQUE

Publication  
**EP 2379830 B1 20140212 (DE)**

Application  
**EP 09798889 A 20091217**

Priority  
• EP 2009009155 W 20091217  
• DE 102008063885 A 20081219

Abstract (en)  
[origin: WO2010069598A1] The invention relates to a door closer for opening and/or closing a door, comprising a closer shaft, which can be coupled to the door, at least one piston, which is operatively connected to the closer shaft and arranged movably inside a housing, at least one spring, which is connected to a spring adjustment, wherein the spring adjustment is operatively connected to a gearbox (8, 9), at least one solenoid valve (6), which is arranged on the spring side of the door closer, wherein the gearbox (8, 9) is arranged following the spring space and situated in the valve block (5) of the solenoid valve (6).

IPC 8 full level  
**E05F 3/22** (2006.01); **E05F 3/12** (2006.01)

CPC (source: EP)  
**E05F 3/12** (2013.01); **E05F 3/223** (2013.01); **E05F 3/10** (2013.01); **E05Y 2201/499** (2024.05); **E05Y 2201/718** (2013.01); **E05Y 2800/174** (2013.01); **E05Y 2900/132** (2013.01)

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010069598 A1 20100624**; CN 102257236 A 20111123; CN 102257236 B 20140305; DE 102008063885 A1 20100701; EP 2379830 A1 20111026; EP 2379830 B1 20140212; SG 171935 A1 20110728; TW 201037139 A 20101016

DOCDB simple family (application)  
**EP 2009009155 W 20091217**; CN 200980151188 A 20091217; DE 102008063885 A 20081219; EP 09798889 A 20091217; SG 2011040417 A 20091217; TW 98143075 A 20091216