

Title (en)  
DOOR CLOSER

Title (de)  
TÜRSCHLIESSER

Title (fr)  
FERME-PORTE

Publication  
**EP 2456941 A1 20120530 (DE)**

Application  
**EP 10734693 A 20100715**

Priority  
• DE 102009034742 A 20090724  
• EP 2010004304 W 20100715

Abstract (en)  
[origin: WO2011009556A1] The invention relates to a door closer (1) having a rotational axis (2) that is coupled to a door leaf, comprising a cam (4), which is non-rotatably arranged on the rotational axis (2) interacting with a spring-loaded roller (5) such that the roller (5) rolls on a first running surface (4a) of the cam (4) when opening or closing the door leaf, and a second running surface (4b) of the cam (4) cooperates with a damping device, characterized in that the damping device consists at least one prefabricated and self-contained damper (13) that can be inserted into the door closer (1).

IPC 8 full level  
**E05F 3/10** (2006.01)

CPC (source: EP US)  
**E05F 3/104** (2013.01 - EP US); **E05Y 2800/21** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011009556A1

Citation (examination)  
GB 1344945 A 19740123 - GIBBONS LD JAMES

Cited by  
CN111255326A

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**WO 2011009556 A1 20110127**; AU 2010275795 A1 20120202; CA 2764404 A1 20110127; CN 102472072 A 20120523; CN 102472072 B 20150715; DE 102009034742 A1 20110203; EP 2456941 A1 20120530; JP 2013500409 A 20130107; SG 176711 A1 20120130; US 2012117755 A1 20120517

DOCDB simple family (application)  
**EP 2010004304 W 20100715**; AU 2010275795 A 20100715; CA 2764404 A 20100715; CN 201080030317 A 20100715; DE 102009034742 A 20090724; EP 10734693 A 20100715; JP 2012520934 A 20100715; SG 2011090412 A 20100715; US 201013386877 A 20100715