

Title (en)
Door closer

Title (de)
Türschließer

Title (fr)
Ferme-porte

Publication
EP 2270303 A3 20130109 (DE)

Application
EP 10167598 A 20100629

Priority
DE 102009027315 A 20090630

Abstract (en)
[origin: EP2270303A2] The door closer (1) has a lever arm (2) and a clamping device that is released by a relay contact of a smoke detection device (3). The detection device includes a smoke box, an evaluation unit, a smoke detector (4) that are partially arranged in or at the lever arm, and a power supply unit (6) for supplying the detector. The power supply and/or evaluation units are integrated in a flush-mounted box (7). The lever arm is guided in a slide rail integrated in a door frame. The detector is covered when a wing of a door is closed.

IPC 8 full level
E05F 1/00 (2006.01); **E05F 3/22** (2006.01)

CPC (source: EP)
E05F 1/006 (2013.01); **E05F 3/22** (2013.01); **E05Y 2201/41** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2600/412** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [AD] DE 29703231 U1 19970410 - DORMA GMBH & CO KG [DE]
- [A] DE 2128925 A1 19720120
- [A] DE 10131400 A1 20030123 - GEZE GMBH [DE]
- [A] US 4267619 A 19810519 - SUSKA CHARLES R

Cited by
EP3029249A1; CN102995997A; US11187022B1

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)
EP 2270303 A2 20110105; EP 2270303 A3 20130109; EP 2270303 B1 20160316; DE 102009027315 A1 20110105;
DE 102009027315 B4 20161020; ES 2573978 T3 20160613

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