

Title (en)

Floor door closer

Title (de)

Bodentürschliesser

Title (fr)

Ferme-porte monté dans le sol

Publication

**EP 3029252 A1 20160608 (EN)**

Application

**EP 14196668 A 20141205**

Priority

EP 14196668 A 20141205

Abstract (en)

The invention regards a floor spring (1), comprising a housing (2), a first piston (3), a second piston (4), and a spindle (5) extending through an opening (7) of the housing (2), wherein the spindle (5) is connected to the first piston (3) i.e. between the cam surface (6) and the main roller (17) such that a longitudinal movement of the first piston (3) is translated into a rotational movement of the spindle (5) under the effect of the loaded closer spring (8), and wherein the first piston (3) and the second piston (4) are formed integrally as a hybrid piston (9).

IPC 8 full level

**E05F 3/10** (2006.01)

CPC (source: EP)

**E05F 3/104** (2013.01); **E05Y 2800/22** (2013.01)

Citation (search report)

- [X] EP 2138662 A2 20091230 - TAIWAN FU HSING IND CO LTD [TW]
- [X] US 5901412 A 19990511 - JENTSCH DIETRICH [DE]

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)

**EP 3029252 A1 20160608**; CN 105672799 A 20160615

DOCDB simple family (application)

**EP 14196668 A 20141205**; CN 201510779366 A 20151113