

Title (en)
CONTROLLABLY OPERATING DRAUGHT EXCLUDER DEVICE

Title (de)
KONTROLLIERBAR BEWEGLICHE DICHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE JOINT AMOVIBLE CONTROLABLE

Publication
EP 2924224 B2 20230712 (EN)

Application
EP 15000903 A 20150327

Priority
IT VI20140082 A 20140328

Abstract (en)
[origin: EP2924224A1] A controllably movable draught-excluder device is designed to be attached to the bottom edge (B) of a door (P) or window, which is hinged to a fixed frame (T), and comprises a strip (3) made of a flexible material, which defines a longitudinal axis (L) and is adapted to interact with a sill (S) to provide an air sealing effect, drive means (6) acting upon the strip (3) through at least one connecting link (11) to move the strip of a profile (3) from a raised rest position to a lowered active position in contact with the sill (S) and vice versa. The drive means (6) comprise an actuator (7) which is adapted to move between an extended position, in which it is spaced from the frame (T), when the door (P) is open, and a retracted position in which it contacts the frame (T) when the door (P) is closed, delay means (8) acting upon the drive means (6) to delay the movement of said strip (3). The drive means (6) comprise at least one slide (10), which is connected to the strip through the connecting link (11) and has an appendix (25) with an end edge (26) adapted to interact by contact with the delay means (8) to delay the movement of the strip (3) from its raised position to its lowered position as the door (P) is closed. The end edge (26) may be moved away from the delay means (8) to ensure quasi-instantaneous automatic movement of the strip (3) from its lowered position to its raised position as the door (P) is opened.

IPC 8 full level
E06B 7/215 (2006.01)

CPC (source: EP)
E06B 7/215 (2013.01)

Citation (opposition)
Opponent :

- JP 3138325 U 20071227
- DE 3935790 A1 19910502 - HAHN GMBH & CO KG DR [DE]
- GB 616076 A 19490117 - PETER JOHANNES HUBERTUS HOVENS, et al
- JP H10220124 A 19980818 - SHIBUTANI KK
- JP 2003193764 A 20030709 - SHIBUTANI KK
- JP H09112154 A 19970428 - SHIBUTANI KK
- ES 1067209 U 20080501 - URQUIA ETCHETO LANDER [ES]
- WO 2007113576 A1 20071011 - ASTRA DOOR CONTROLS LTD [GB], et al
- US 2007251052 A1 20071101 - PYO CHUL S [KR]
- EP 0332426 A1 19890913 - REILOR LTD [GB]
- SU 842293 A1 19810630 - TS K B PRACHECHNOGO OBOBU [SU]
- US 5727286 A 19980317 - SHEN CHUNG-SHAN [TW]
- WO 2004053274 A1 20040624 - C C E SRL [IT], et al
- EP 1717404 A2 20061102 - GERON LUIGI [IT]
- EP 0915226 A2 19990512 - GERON LUIGI [IT]
- EP 0916802 A2 19990519 - GERON LUIGI [IT]

Cited by
IT201800002357A1; AT517964B1; AT517964A4; EP3754146A1; WO2019150338A1; DE102016117669B4; EP3754146B1

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

DOCDB simple family (publication)
EP 2924224 A1 20150930; EP 2924224 B1 20161012; EP 2924224 B2 20230712

DOCDB simple family (application)
EP 15000903 A 20150327