

Title (en)

End cap with cavity for heat expansion of rails of roller shutter boxes, and roller shutter box provided with such end cap

Title (de)

Endverschlusskappe mit Aussparung für die Wärmedehnung der Schienen eines Rolladenkastens, sowie Rolladenkasten ausgestattet mit einer solchen Endverschlusskappe

Title (fr)

Dispositif obturateur avec réservation pour la dilatation des rails d'un caisson-tunnel de volet roulant, et caisson-tunnel équipé de tels dispositifs

Publication

EP 1640553 A3 20071128 (FR)

Application

EP 05291814 A 20050831

Priority

FR 0409776 A 20040915

Abstract (en)

[origin: EP1640553A2] The device has a cavity (20) provided in an inner side of a lower end (19c) of a collar, so as to form a reservation that receives a longitudinal end with respect to aluminum rails, when the rails undergo thermal expansion due to their exposure to high temperatures. The cavity has a depth which is equal to half of maximum extension of the rails in the direction of the length of the rails. An independent claim is also included for a tunnel casing of a roller-shutter and comprising a closing device.

IPC 8 full level

E06B 9/174 (2006.01); **E06B 9/17** (2006.01)

CPC (source: EP)

E06B 9/17007 (2013.01); **E06B 9/174** (2013.01)

Citation (search report)

- [A] EP 1323887 A1 20030702 - FIXOLITE SA [BE]
- [A] EP 1035297 A1 20000913 - FIXOLITE SOCIETE ANONYME [BE]

Cited by

EP3453823A1; BE1025555B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1640553 A2 20060329; **EP 1640553 A3 20071128**; **EP 1640553 B1 20140122**; ES 2458939 T3 20140507; FR 2875256 A1 20060317; FR 2875256 B1 20061208

DOCDB simple family (application)

EP 05291814 A 20050831; ES 05291814 T 20050831; FR 0409776 A 20040915