

Title (en)

A device for pre-loading a spring of a rolling curtain

Title (de)

Vorrichtung zum Vorspannen einer Feder eines Rollvorhangs

Title (fr)

Dispositif de précharge d'un ressort d'un rideau roulant

Publication

**EP 2899359 A1 20150729 (EN)**

Application

**EP 15152459 A 20150126**

Priority

IT RM20140039 A 20140127

Abstract (en)

A device (D) for pre-loading a pre-loading spring (MP) of a rolling curtain that can be installed between said curtain and a lateral end piece (11) for fixing the curtain to a load-bearing structure, characterized in that it can be installed coaxially at at least one end of a screen tube (TR) on which a rolling curtain or a rolling mosquito screen is rolled and in that it comprises, in combination: an external support (1) on which there can be fitted the screen tube (TR), having a toothed inner area with a substantially saw-tooth profile; a spring pin (6) fitted at the end of the pre-loading spring (MP); a snap-action spring (5) that is substantially constituted by a bushing with one or more saw-tooth external teeth, designed to undergo elastic deformation in a radial direction and cooperate with said internal toothed area of the external support (1); an engagement pin (2); and an internal bushing (4); wherein said elements are positioned coaxially with respect to one another and share the axis of the rolling curtain.

IPC 8 full level

**E06B 9/42** (2006.01); **E06B 9/50** (2006.01); **E06B 9/60** (2006.01); **E06B 9/62** (2006.01)

CPC (source: EP)

**E06B 9/50** (2013.01); **E06B 9/42** (2013.01); **E06B 9/60** (2013.01); **E06B 9/62** (2013.01)

Citation (applicant)

WO 2009128108 A2 20091022 - GIANUS S R L [IT], et al

Citation (search report)

- [XAI] WO 2009128108 A2 20091022 - GIANUS S R L [IT], et al
- [A] WO 2012064270 A1 20120518 - MARKISOL HOLDING AB [SE], et al
- [A] US 2014014281 A1 20140116 - MULLET WILLIS JAY [US], et al
- [A] DE 102011050666 A1 20121129 - LIENERT ACHIM [DE]

Cited by

CN112682449A; US10221622B2

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 2899359 A1 20150729**; **EP 2899359 B1 20170104**; ES 2617310 T3 20170616

DOCDB simple family (application)

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