

Title (en)

Support structure for rolling shutters, fast rolling shutter doors or similar closure elements

Title (de)

Tragstruktur für Rollläden, Schnellauftore oder ähnliche Schließelemente

Title (fr)

Structure de support pour volets roulants, portes à volets roulants rapides ou éléments de fermeture similaires

Publication

**EP 2428634 B1 20141126 (EN)**

Application

**EP 11176529 A 20110804**

Priority

IT PI20100096 A 20100804

Abstract (en)

[origin: EP2428634A1] A support structure (1) for a rolling shutter, or for a fast rolling shutter door, or similar elements (50) for closure of an opening (250), comprises a tubular body (10) having a side surface (15) and a longitudinal axis (101). The outer surface (15) comprises a first end portion (11), a central portion (13), and a second end portion (12) opposite to the first end portion (11). The structure (1) also comprises a motor means (60) for causing the rotation of a drive shaft about a rotation axis, and a transmission means (70) for transmitting the rotation movement of the drive shaft to the tubular body (10) at the first end (11), in order to cause it to rotate about the longitudinal axis (101). More precisely, the rolling shutter (50) is wound about the central portion (13) of the tubular body (10) when the latter rotates at a first rotation speed (201) and is unwound, instead, from the tubular body (10) when the tubular body (10) same rotates at a second rotation speed (202), opposite to the first. The structure (1) comprises also a support means (40) for supporting the tubular body (10) at the second end (12) to make it possible a free rotation of the tubular body (10) about the longitudinal rotation axis (101).

IPC 8 full level

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CPC (source: EP)

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