

Title (en)
Roller door.

Title (de)
Rolltor.

Title (fr)
Porte enroulable.

Publication
EP 0295223 A1 19881214 (EN)

Application
EP 88830253 A 19880607

Priority
IT 6750687 A 19870612

Abstract (en)
A cable (10) is connected to each of the ends of the cross member (7) fixed to the free end of the flexible panel (1) of a roller door, and passes over lower fixed return pulleys (11, 12), over an upper pulley (13) which is rotatable in a vertically movable bracket (16), and is connected to a lower fixed point (15) with the interposition of a helical tensioning spring (14) working under tension. The bracket (16) is supported by a flat belt (17) or a cable wound onto the shaft (3) of the roller (2) onto which the panel (1) is wound, in the opposite sense to the sense of winding of the panel, and is subject to the action of a balancing spring (19) working under tension and serving to balance the weight of the panel. The balancing spring (19) may be replaced by a counterweight (24).

IPC 1-7
E06B 9/20; **E06B 9/204**

IPC 8 full level
E06B 9/56 (2006.01); **E06B 9/62** (2006.01); **E06B 9/68** (2006.01)

CPC (source: EP)
E06B 9/62 (2013.01); **E06B 9/68** (2013.01)

Citation (search report)

- [YD] EP 0125217 A2 19841114 - NORDISKAFILT AB [SE]
- [Y] DE 3245009 A1 19840614 - SEUSTER ADOLF GMBH [DE]
- [A] US 2543711 A 19510227 - ABRAHAM SCHULTZ
- [A] AT 341177 B 19780125 - LINDPOINTNER LUDWIG [AT]
- [A] FR 2181601 A1 19731207 - RESSORTS FRANCAIS [FR]

Cited by
DE4005963A1; DE10011789A1; EP3825507A4; US9250160B2; US7997131B2; WO2019223708A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0295223 A1 19881214; **EP 0295223 B1 19910911**; AT E67272 T1 19910915; DE 3864753 D1 19911017; ES 2025814 T3 19920401; GR 3002728 T3 19930125; IT 1210793 B 19890920; IT 8767506 A0 19870612

DOCDB simple family (application)
EP 88830253 A 19880607; AT 88830253 T 19880607; DE 3864753 T 19880607; ES 88830253 T 19880607; GR 910401343 T 19910916; IT 6750687 A 19870612