

Title (en)
DEVICE FOR THE CONTROLLED WINDING AND UNWINDING OF A CLOTH

Publication
EP 0333677 A3 19900822 (EN)

Application
EP 89830121 A 19890317

Priority
IT 4774888 A 19880318

Abstract (en)
[origin: EP0333677A2] A device for the driven winding and unwinding of a cloth (10) comprising: a roller (11) for winding up the cloth (10); a hollow rigid member (21) secured to the free edge of the cloth; a return cable; two spools for winding the return cable (19); two return rollers (16, 18) for the return cable (19) and two guides (14, 15) for the rigid member (21) supporting the cable return rollers and receiving the rising and lowering lengths of the return cable, wherein the whole system is also maintained in tension by a spring (20) interposed in the return cable and placed within the hollow member (21).

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E06B 9/204

IPC 8 full level
E06B 9/68 (2006.01)

CPC (source: EP)
E06B 9/42 (2013.01); **E06B 9/68** (2013.01); **E06B 2009/583** (2013.01)

Citation (search report)
• [X] FR 861816 A 19410218 - ETS AD MISCHLER SARL
• [X] FR 2559527 A1 19850816 - AQUITAINE FERMETURES SARL [FR]
• [X] EP 0207040 A1 19861230 - HAROL S A NV [BE]

Cited by
FR2692930A1; FR2686372A1; DE19732686A1; EP2371592A1; EP3385493A1; WO9629498A1

Designated contracting state (EPC)
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