

Title (en)
Device for screening off a space

Title (de)
Abschirmvorrichtung eines Raums

Title (fr)
Dispositif d'écran pour un espace

Publication
EP 1484470 A1 20041208 (EN)

Application
EP 03076751 A 20030606

Priority
EP 03076751 A 20030606

Abstract (en)
Device (1) for screening off a space (2), comprising at least one roller system (5) driven by a drive unit for rolling and unrolling a screen (3) for screening off, entirely or partially, the space (2) in its closed position, the roller system (5) being provided with a winding element (6), provided for winding and unwinding the screen (3). a second element (7) provided on the screen (3) on the side opposite the winding element (6), transmission means being provided for producing the movement of the said second element (7) through the movement of the winding element (6), connection means (11), provided between the said winding element (6) and the said transmission means, the said connecting means (11) at least at one of the extremities (12a, 12b) being installed to be rotatable in a firm connection (13,14) with the space (2) to be screened off, and the said connection means (11) being provided with two elements (15a, 15b), rotatable with respect to one another, the difference in speed between the movement of the second element (7) and the winding movement of the winding element (6) causing the two elements (15a, 15b), rotatable with respect to one another to be shifted with respect to one another through an angle, and provided with spring means (18) which, when unrolling the screen (3), will exert a spring force on at least one of the two elements (15a, 15b), rotatable with respect to one another, which spring force is working in the direction opposite to the force causing the angular displacement of the rotatable elements (15a, 15b). <IMAGE>

IPC 1-7
E06B 9/66; **E06B 9/70**; **E06B 9/42**

IPC 8 full level
E06B 9/42 (2006.01); **E06B 9/66** (2006.01); **E06B 9/70** (2006.01)

CPC (source: EP)
E06B 9/42 (2013.01); **E06B 9/66** (2013.01); **E06B 9/70** (2013.01)

Citation (applicant)
• FR 2563860 A1 19851108 - FARNIER & PENIN [FR]
• DE 29812228 U1 19981008 - BF BOETTGER FARMTECHNIK GMBH & [DE]

Citation (search report)
• [Y] DE 19834081 A1 20000203 - LOCK ANTRIEBSTECHNIK FREIMUT L [DE]
• [Y] DE 9531 C
• [Y] US 4815515 A 19890328 - LEE SONG L [TW]
• [XY] PATENT ABSTRACTS OF JAPAN vol. 014, no. 506 (M - 1044) 6 November 1990 (1990-11-06)
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 157 (M - 227) 9 July 1983 (1983-07-09)

Cited by
US2016290043A1; CN104082157A; CN102619441A; US2016130873A1; US10041295B2; WO2015018234A1; JP2014159687A

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