

Title (en)

Roller shutter with heat insulated and/or armoured flexible door element.

Title (de)

Rolltor mit einem wärmegeädämmten und/oder gepanzerten Torblatt-Behang.

Title (fr)

Porte enroulable avec une porte flexible thermiquement isolée et/ou blindée.

Publication

**EP 0441330 B1 19941221 (DE)**

Application

**EP 91101550 A 19910205**

Priority

DE 4003359 A 19900205

Abstract (en)

[origin: EP0441330A1] Roller shutter with a winding shaft (11) for winding and unwinding a hanging or roller shutter armour, on which a device (5) engages, which displaces the winding shaft along a support arm of a support bracket depending upon the roll thickness, with a first gearwheel driven by the winding shaft (11), with a last gearwheel (18) connected thereto in driving manner via a gear train (14 to 18), and with a translation part (24) which extends in the direction of the support arm, is arranged in a stationary manner in relation to the wall bracket and along which, on rotation of the winding shaft (11) in unwinding direction, a rotation part (19) driven by the last gearwheel (18) moves in the direction of the run-off side of the roll, the device being provided with a wall-side mounting (25) which has a pin held in a stationary manner, which, when the device (5) is guided into its working position, engages in a clamping arrangement which is open on one side. <IMAGE>

IPC 1-7

**E06B 9/174**

IPC 8 full level

**E06B 9/13** (2006.01); **E06B 9/174** (2006.01); **E06B 9/58** (2006.01); **E06B 9/60** (2006.01); **E06B 9/68** (2006.01)

CPC (source: EP)

**E06B 9/13** (2013.01); **E06B 9/174** (2013.01); **E06B 9/58** (2013.01); **E06B 9/582** (2013.01); **E06B 9/60** (2013.01); **E06B 9/68** (2013.01); **E06B 2009/1743** (2013.01)

Cited by

EP1447515A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0441330 A1 19910814**; **EP 0441330 B1 19941221**; AT E116033 T1 19950115; DE 4003359 A1 19910919; DE 59103938 D1 19950202; DK 0441330 T3 19950220

DOCDB simple family (application)

**EP 91101550 A 19910205**; AT 91101550 T 19910205; DE 4003359 A 19900205; DE 59103938 T 19910205; DK 91101550 T 19910205