

Title (en)
ROTATION DRIVE SYSTEM FOR A ROLLING DEVICE FOR A ROLL-TYPE CLOSURE

Title (de)
DREHANTRIEB FÜR DREHVORRICHTUNG EINES ROLLABSCHLUSSES

Title (fr)
SYSTÈME D'ENTRAÎNEMENT EN ROTATION D'UN ORGANE D'ENROULEMENT D'UN TABLIER D'ÉCRAN DE FERMETURE ENROULABLE

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EP 3902971 B1 20240417 (FR)

Application
EP 19829624 A 20191223

Priority
• FR 1874123 A 20181224
• EP 2019086907 W 20191223

Abstract (en)
[origin: WO2020136161A1] This drive system (1) for rotating a winding member (11) of a roll-up closing screen apron comprises an actuator (3) driving a main shaft (7), a rotating element (9) rotatably secured to the winding member (11), a torsion spring (25), and a disengageable device (2). In the disengaged configuration, the torsion spring (25) is suitable for being preloaded by a relative rotation between the main shaft (7) and the rotating element (9), and the previously preloaded torsion spring (25) drives the rotating element (9) in rotation such that the apron is driven towards a rolled-up configuration. This system also comprises a threaded rod (27) rotatably secured to the main shaft (7) and a slider (29) screwed onto the threaded rod (27) and rotationally fixed relative to the winding member (11) such that the slider (29) is able to move in translation between a first position, in which the spring (25) is not preloaded and the actuator (3) is free to preload the spring (25) by means of free rotation between the main shaft (7) and the rotating element (9), and a second position, in which the spring (25) is preloaded and the slider (29) abuts against an element (31) secured to the main shaft (7) such that the actuator (3) is automatically stopped.

IPC 8 full level
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