Title (en)

DRIVE SYSTEM FOR ROTATING A WINDING MEMBER OF A ROLL-UP CLOSING SCREEN APRON

Title (de)

ANTRIEBSSYSTEM ZUM DREHEN EINES WICKELELEMENTS EINES ROLLVERSCHLUSSSCHIRMS

Title (fr)

SYSTÈME D'ENTRAINEMENT EN ROTATION D'UN ORGANE D'ENROULEMENT D'UN TABLIER D'ÉCRAN DE FERMETURE ENROULABLE

Publication

EP 3902971 A1 20211103 (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

E06B 9/60 (2006.01); **E06B 9/74** (2006.01)

CPC (source: EP)

E06B 9/60 (2013.01); **E06B 9/74** (2013.01)

Citation (search report)

See references of WO 2020136161A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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