

Title (en)

SYSTEM FOR DRIVING A WINDING MEMBER IN ROTATION

Title (de)

SYSTEM ZUR ANSTEUERUNG EINES WICKLUNGSELEMENTS IN DREHUNG

Title (fr)

SYSTÈME D'ENTRAÎNEMENT EN ROTATION D'UN ORGANE D'ENROULEMENT

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Application

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Abstract (en)

[origin: WO2019162380A1] This system (1) for driving a winding member (11) of a shutter apron that is windable about a central axis (X) in rotation comprises an actuator (3) that drives an output shaft (5), a main shaft (7) driven by the output shaft (5), a rotary element (9) that is rotatable and fixed in translation with respect to the main shaft (7), and rotates as one with the winding member (11), this element being equipped with first rotational coupling means (92), a member (13) that is movable in translation along the central axis (X) with respect to the rotary element (9), rotates as one with the main shaft (7) and has second rotational coupling means (132), first elastic means (19) that push the movable member (13) back by default into an engaged position, wherein the rotational coupling means (92, 132) cooperate so as to make the main shaft (7) and the rotary element (9) rotate as one, a controller (21) that is connected to the member (13) movable in translation and is designed to move the member (13) movable in translation into a disengaged configuration, wherein the rotational coupling means (92, 132) are separated from one another so as to rotationally disconnect the main shaft (7) and the rotary element (9), and second elastic means (25) that are designed to drive the rotary element (9) in rotation about the central axis (X) such that the apron is driven into a wound configuration. The second elastic means (25) drive the rotary element (9) in rotation about the central axis (X) such that the apron is driven into a wound configuration only in the disengaged configuration, and are interposed in series between the main shaft (7) and the rotary element (9).

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