

Title (en)

DEVICE FOR DRIVING A ROLL-UP ELEMENT AND RELATED METHOD FOR ITS USE

Title (de)

VORRICHTUNG ZUR ANSTEUERUNG EINES AUFROLLBAREN ELEMENTS UND ZUGEHÖRIGES VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)

DISPOSITIF POUR ENTRAÎNER UN ÉLÉMENT ENROULABLE ET SON PROCÉDÉ D'UTILISATION

Publication

EP 3257141 A1 20171220 (EN)

Application

EP 16712489 A 20160210

Priority

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- IB 2016050691 W 20160210

Abstract (en)

[origin: WO2016128902A1] A device (1) for driving a roll-up element comprises: a drive shaft (9); a winding roller (4), connected to the drive shaft (9) to rotate as one therewith about a longitudinal axis of rotation (A) and to move the roll-up element (2) in a movement direction, between a rolled-up configuration and an extended configuration; an electric motor (6), having a stator (6a) and a rotor (6b), wherein the rotor (6a) defines a transmission shaft (7) having a first and a second end; a reduction gear unit (8), having an input coupled to the first end of the transmission shaft (7) and an output connected to the drive shaft (9); an electromagnetic brake (10) connected to the second end of the transmission shaft (7) and movable between an active position, where it prevents the transmission shaft (7) from rotating, and a rest position, where it allows the transmission shaft (7) to rotate, wherein the electromagnetic brake (10) is in the rest position when it is electrically powered; a stator electrical circuit (20) of the stator (6a) connected to the electromagnetic brake (10) to be electrically powered in series therewith, by a primary electrical power supply, so that when the stator circuit (20) is powered, the electromagnetic brake (10) is also powered; an auxiliary power supply device (17), connected to the electromagnetic brake (10) at a node that is electrically interposed between the stator circuit (20) and the electromagnetic brake (10), for powering the electromagnetic brake (10) without powering the stator circuit (20).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016128902A1

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