Title (en)

AUXILIARY DRIVE FOR A PROGRESSIVE SAFETY GEAR DEVICE

Title (de)

HILFSANTRIEB FÜR EINE BREMSFANGVORRICHTUNG

Title (fr)

ENTRAÎNEMENT AUXILIAIRE POUR DISPOSITIF DE FREINAGE

Publication

EP 3672898 A1 20200701 (DE)

Application

EP 18732029 A 20180614

Priority

- DE 202017103555 U 20170614
- EP 2018065799 W 20180614

Abstract (en)

[origin: WO2018229183A1] Disclosed is an auxiliary drive (1) for actuating an elevator brake (31), said drive comprising at least one friction body (10) that can be placed against a braking strip (17), a pivoting body, on which the friction body (10) is displaceably held relative to said pivoting body and pivotably held together with the pivoting body about a primary axis (2) lying outside the friction body (10), a spring element (6) and at least one electromagnet (15), in addition to a transmission member (22, 23) for transmitting a pivoting motion of the pivoting body to an elevator brake (31). The friction body (10) can be transferred from its operational-ready position on the pivoting body into its operating position on the pivoting body, and vice versa, when the spring element (6) is relaxed or compressed and the at least one electromagnet (15), in its first switched mode, holds the friction body (10) in its operational-ready position on the pivoting body and, in its second switched mode, releases the body such that said friction body (10) can be moved away from the at least one electromagnet (15) with the action of the spring element (6), into its operational-ready position on the pivoting body and can be brought into frictional contact with said braking strip (17). In the second switched state, there is an air gap between the electromagnet and a component attracted by the electromagnet, and the friction body (10), the pivoting body, the primary axis (2) and the braking strip (17) are arranged relative to one another such that the friction body (10) pivots the pivoting body, as a result of the frictional forces acting on the latter, about the primary axis (2) and closer to the braking strip (17) such that the friction body (10) is pushed back again from the braking strip (17) into a position on the pivoting body which is closer to its operational-ready position than its operating position, or which corresponds to its operating position, thereby reducing or eliminating the air gap across which the electromagnet must attract the assigned end of the rocker lever.

IPC 8 full level

B66B 5/18 (2006.01)

CPC (source: EP RU)

B66B 5/18 (2013.01 - EP RU)

Citation (search report)

See references of WO 2018229183A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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