

Title (en)

SPEED LIMITER FOR A LIFTING GEAR HAVING BRAKE ACTUATED BY CENTRIFUGAL FORCE

Title (de)

GESCHWINDIGKEITSBEGRENZER FÜR EIN HEBEZEUG MIT FLIEHKRAFTBETÄTIGTER BREMSE

Title (fr)

LIMITEUR DE VITESSE POUR UN ENGIN DE LEVAGE COMPRENANT UN FREIN ACTIONNÉ PAR LA FORCE CENTRIFUGE

Publication

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Application

EP 19806195 A 20191119

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Abstract (en)

[origin: CA3120016A1] The invention relates to a speed limiter for a lifting gear comprising a sheave driven by a speed limiter cable and a brake for braking the sheave, wherein the brake comprises at least one eccentric piece, mounted on the sheave in a pivoting manner, wherein the eccentric piece is mounted on a first centrifugal weight in a pivoting manner and mounted on a second centrifugal weight in a pivoting manner, wherein, in the event of a displacement of the first and second centrifugal weights due to centrifugal force, the first and the second centrifugal weights pivot the eccentric piece, the brake comprising a reset unit having a spring system which pulls the centrifugal weights in the direction of the undeflected position thereof, wherein the spring system has a first spring constant up to a switching speed, the spring system has a second spring constant from the electric switching speed of the sheave and the second spring constant is greater than the first spring constant.

IPC 8 full level

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