

Title (en)
LIFTING MECHANISM WITH SAFETY BRAKE

Title (de)
HUBVORRICHTUNG MIT FANGVORRICHTUNG

Title (fr)
DISPOSITIF DE LEVAGE AVEC DISPOSITIF D'ARRÊT

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Application
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Abstract (en)
[origin: WO2017211355A1] The invention relates to a catch device for lifting mechanisms, wherein the catch device comprises at least one braking rail (14) and at least one catch brake (16) which has at least two catch jaws (24) which can be moved towards the braking rail (14) by means of at least one actuator and which are arranged on both sides of the braking rail (14). According to the invention, the lifting mechanism has a scissors-type lifting unit (1) with at least two scissors legs (4, 5) which form a scissors cross, are rotatably connected to one another at the crossing point and the free ends of which are each pivotably mounted in a horizontal frame (6, 7). On at least one of the frames (6, 7), the at least one braking rail (14) is arranged so as to be fixed in the direction of the horizontal displacement travel of the scissors leg(s) (4, 5) and so as to be movable horizontally perpendicular to the displacement travel of the scissors leg(s) (4, 5). The at least one catch brake (16) is fixedly arranged on the horizontally displaceable guided end of the scissors leg(s) (4, 5). At least one catch jaw (24) of each catch brake (16) has at least one respective sliding strip (42) which is mounted in a resiliently movable manner in the direction of the braking movement of the catch jaws (24) and the surface of which projects slightly over the braking surface (40) of the catch jaws (24) under the pressure of the spring loading.

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