

Title (en)
Load limiter.

Title (de)
Lastbegrenzer.

Title (fr)
Limiteur de charge.

Publication
EP 0234554 A2 19870902 (DE)

Application
EP 87102593 A 19870224

Priority
BG 7376086 A 19860224

Abstract (en)
1. Load limiter, consisting of a U-shaped elastic clamp having an upper limb (1) and a lower limb (2) and an elastic part (3) connecting them, with an opening (4) being provided on the lower limb (2) for the hanging of a lifting cable, a securing element (16) connecting the upper limb (1) and the lower limb (2) being arranged coaxial to the vertical axis (15) of the opening (4), and with there being formed at the ends of the upper limb (1) and the lower limb (2) respectively, opposite the elastic part (3), a transverse channel (7) in which there are freely arranged the ends of a convexly curved elastic plate (8) for the actuation of two micro-cutout switches (10) which are arranged in a horizontal plane (18) and are displaced in relation to each other up to a certain distance, characterised in that two bearing necks (9) for the hanging of the U-shaped elastic clamp on a lifting gear are formed at the two ends of the upper limb (1), in that the elastic plate (8) is freely in contact with sensors of the two micro-cutout switches (10) and is that the micro-cutout switches (10) are mounted rigidly on two plates (11) which sit separately and such that they are axially adjustable on a vertical frame (12) which is secured by means of a main plate (13) to the lower limb (2) in an adjustable manner.

Abstract (de)
Ein Lastbegrenzer, insbesondere für Elektroseilzüge, besteht aus einer U-förmigen elastischen Klammer mit einem oberen Arm (1) und einem unteren Arm (2) sowie einem sie verbindenden elastischen Teil (3). An den beiden Enden des oberen Armes (1) sind zwei Lagerhälse (9) zum Aufnehmen des Lastbegrenzers durch ein Hubwerk vorgesehen. Zwei, frei mit einer elastischen Platte (8) in Kontakt stehender, Mikroausschalter (10) sind starr an zwei Platten (11) angebracht, welche getrennt und axial einstellbar an einem vertikalen Gestell (12) sitzen, welches durch eine Hauptplatte (13) an dem unteren Arm (2) einstellbar befestigt ist.

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