

Title (en)
LOAD LIMITER

Publication
EP 0234554 A3 19880511 (DE)

Application
EP 87102593 A 19870224

Priority
BG 7376086 A 19860224

Abstract (en)
[origin: EP0234554A2] 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.

IPC 1-7
B66D 1/58

IPC 8 full level
B66D 1/58 (2006.01)

CPC (source: EP)
B66D 1/58 (2013.01)

Citation (search report)

- [A] DE 2533178 A1 19760219 - UNELEC
- [A] GB 1559167 A 19800116 - ALSTHOM UNELEC SA
- [A] FR 2225373 A1 19741108 - POTAIN SA [FR]
- [A] DD 221720 A1 19850502 - OHNRICH SIEGFRIED DIPL ING [DE], et al

Designated contracting state (EPC)
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0234554 A2 19870902; EP 0234554 A3 19880511; EP 0234554 B1 19900207; BG 44259 A1 19881115; CS 119587 A2 19900613; DD 276199 A7 19900221; DE 3761655 D1 19900315; ES 2013265 B3 19900501; HU 203061 B 19910528; HU T46590 A 19881128; NO 870725 D0 19870223; NO 870725 L 19870825

DOCDB simple family (application)
EP 87102593 A 19870224; BG 7376086 A 19860224; CS 119587 A 19870223; DD 30008687 A 19870220; DE 3761655 T 19870224; ES 87102593 T 19870224; HU 70987 A 19870224; NO 870725 A 19870223