

Title (en)

Mechanical travel-limiting device for winch.

Title (de)

Mechanische Vorrichtung zum Endabschalten von Winden.

Title (fr)

Dispositif mécanique de sécurité de fin de course pour treuil.

Publication

EP 0005099 A1 19791031 (FR)

Application

EP 79400220 A 19790404

Priority

FR 7811058 A 19780414

Abstract (en)

[origin: US4226405A] The invention relates to a safety device for winch-type apparatus for moving loads. Two longitudinal elements containing a winch between them are connected by a first transverse element on which two telescopic sleeves are pivotably mounted. A calibrated spring is received in each pivotable sleeve. A second transverse element also connects the two longitudinal elements. The second transverse element supports the sleeves and a yoke of a guide pulley for a cable to be wound and unwound from the winch. The tension in the cable causes the springs to pivot the yoke thereby preventing excessive tension on the cable when a load drawn by the winch encounters resistance and preventing excessive unwinding of the cable when the load is interrupted in its descent. The safety device can be used in all winch-type apparatus, and in particular in hoisting apparatus with telescopic ladders for building sites.

Abstract (fr)

Dispositif mécanique de sécurité de fin de course pour treuil comportant deux éléments longitudinaux (7, 8) contenant entre eux un treuil (1) et qui sont réunis par un premier élément transversal (12) portant deux enveloppes (13, 14) pivotantes contenant deux ressorts tarés, et par un second élément transversal (17) portant une chape (18) et les enveloppes (13, 14) cependant qu'un levier (29) est relié à une commande d'embrayage du treuil (1). L'invention est applicable sur tous les appareils à treuils, principalement les appareils élévateurs à échelle télescopique pour les chantiers de construction.

IPC 1-7

B66D 1/56; B66D 1/58; F16P 7/00

IPC 8 full level

B66D 1/56 (2006.01); **B66D 1/58** (2006.01)

CPC (source: EP US)

B66D 1/56 (2013.01 - EP US); **B66D 1/58** (2013.01 - EP US)

Citation (search report)

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