

Title (en)

DEVICE FOR PREVENTING CABLE SLACKNESS IN WINCHES, ESPECIALLY THOSE FOR BUILDING LIFTS

Publication

EP 0282709 B1 19900509 (DE)

Application

EP 88101420 A 19880202

Priority

DE 3705811 A 19870224

Abstract (en)

[origin: EP0282709A1] 1. Device for preventing slack cable in cable in cable winches, especially for building hoists, with at least one pivoted lever (4) pivoting about an axis provided parallel to the cable drum axis (1), with a roller (3) freely rotatably mounted about its axis (A1) at the free end (4a) of the pivoted lever, the two ends of which roller have at least approximately the same distance from the cable drum axis, with a spring (15) acting on the pivoted lever, which holds the roller in position on the cable (2), and with an operating part (11) provided on the pivoted lever, which cooperates with a switch (12) controlling the winding motor, characterized in that the roller axis (A1) is arranged skewed relative to the cable drum axis (A) in the direction of lay of the cable by an angle (μ), which is about half the size of the laying angle (α) of the cable (2) about a notional axis (A2) running through the centre of the roller axis and the centre of the cable drum axis (A), perpendicular to both axes (A, A1).

IPC 1-7

B66D 1/36; **B66D 1/50**

IPC 8 full level

B66D 1/36 (2006.01); **B66D 1/50** (2006.01)

CPC (source: EP)

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Cited by

EP1094244A1; CN1098981C; US6513792B1

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