

Title (en)
DEVICE FOR AUTOMATIC LOWERING AFTER A FALL ARREST AT HEIGHT

Title (de)
VORRICHTUNG ZUM AUTOMATISCHEN ABSENKEN NACH AUFFANGEN EINES ABSTURZES AUS DER HÖHE

Title (fr)
DISPOSITIF D'ABAISSEMENT AUTOMATIQUE APRÈS UN ARRÊT DE CHUTE EN HAUTEUR

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Application
EP 19174457 A 20190514

Priority
PL 42574918 A 20180528

Abstract (en)
[origin: EP3574958A1] The subject of the invention is the device for automatic lowering after a fall arrest at height in manual and remote version. The device is equipped with a body with load-carrying elements for components (1), rotary rope drum (4) with self-braking mechanism wherein the supporting element (7) of the ratchet elements (5) of the rope drum (4) is located on the axle (2) in the gear (6) locked by means of a gear lock (10) located on the axle (9) with an arm held by a clamp consisting of two parts, fixed support part (11) with absorbing cushion (12) as well as pressure and rotary part (13) with absorbing cushion (14) locked with a tilting bolt (15) connected with a lock release (16) coupled with the control module (17). In the manual version, the control module (17) consists of a control rope (22) dispenser (21) having a double bottom with a spring, closed with a flap and secured with an electro-lock (23) being a part of the control system coupled with an electrical system that includes the top catch (24) equipped with a terminal switch (25) closing the electrical circuit connecting the supply source (26) with an electronic system, being a time delay (27) actuating the electro-lock (23) of the flap of the control rope (22). In the remote control version, the control module (17) is equipped with a wireless receiver (27) coupled with an electrical system consisting of a top catch (24) fitted with a terminal switch (25) closing the electrical circuit between the supply source (26) and the electronic system being a time delay (27) for the lock release (16).

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