

Title (en)
AN ANCHOR MECHANISM AND A CABLE ROCK BOLT

Title (de)
VERANKERUNGSMECHANISMUS UND GEBIRGSSEILANKER

Title (fr)
MÉCANISME D'ANCRAGE ET BOULON D'ANCRAGE DE CÂBLE

Publication
EP 2861826 B1 20170726 (EN)

Application
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Priority
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Abstract (en)
[origin: WO2013189785A2] An expander mechanism 10 and a cable bolt, in which the expander mechanism includes gripper elements 13 which define a central bore 14 into which a cable end 15 can be inserted. A housing 16 houses the elements 13 and the housing 16 and the elements 13 cooperate slidingly along facing inclined surfaces 17, 18 so that relative movement increases or decreases the diameter of the central bore 14. A plurality of expander elements 25 cooperate slidingly against an outside surface 26 of the housing 16, so that movement of the housing 16 relative to the expander elements 25 can shift the expander elements 25 radially outwardly. The housing 16 has front and rear ends 21, 31 and an opening 32 formed in the rear end 31 to allow insertion of the cable 1 1 to enter the central bore 14 of the gripper elements 13. A biasing arrangement 34 acts between the housing 16 and the expander elements 25 to bias the expander elements 25 in a direction relative to the housing 16. A cable bolt including an expansion mechanism 10 is also provided.

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