

Title (en)  
DEVICE FOR MAINTAINING THE TENSION IN A TOW CABLE

Publication  
**EP 0007554 B1 19820922 (DE)**

Application  
**EP 79102488 A 19790717**

Priority  
DE 2832567 A 19780725

Abstract (en)  
[origin: US4318533A] An apparatus for maintaining tension on a tension cable which is wound on the drum of a winch and connected at one end to a position varying object, especially for maintaining the tension of a power cable leading to a travelling coal extraction machine. The winch, preferably a conventional pressure drive operated hauling coiler can be regulated and driven reversibly and it can produce also at stand-still a continuous rotary moment. A tensioning device having a tensioning pulley 11 is also provided and is subjected to the force of the spring 14, the tension cable 6 being guided around the pulley 11 so that over the spring force a desired nominal tension can be set on the tension cable. Position changes of the tension pulley produce over an actuating linkage 14 a control of the winch so that the tension pulley returns into the original equilibrium position. This control process may be accompanied by running the cable off the winch or hauling it in. Instead of the tension pulley 11 the tension device can comprise also another movable element for example the drum 9a of the winch 9 when the winch is to be guided movably as a whole against the spring force.

IPC 1-7  
**B65H 75/34**; **B65H 59/38**; **B66C 13/12**; **E21F 17/06**; **H02G 11/02**

IPC 8 full level  
**B66D 1/50** (2006.01); **B65H 59/38** (2006.01); **B65H 75/34** (2006.01); **B66C 13/12** (2006.01); **E21F 17/06** (2006.01); **H02G 11/02** (2006.01)

CPC (source: EP US)  
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**EP 0007554 A1 19800206**; **EP 0007554 B1 19820922**; AT 363884 B 19810910; AT A76879 A 19810215; AT E1575 T1 19821015; DE 2832567 A1 19800207; DE 2832567 C2 19850321; JP S5521392 A 19800215; US 4318533 A 19820309

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