

Title (en)  
CAPSTAN WINCH

Title (de)  
SPILLHASPEL

Title (fr)  
TREUIL DU TYPE DIT A CABESTAN

Publication  
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Application  
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Abstract (en)  
[origin: US2006022182A1] The invention concerns a so-called capstan winch ( 1 ) comprising drums ( 2, 3 ) driving a cable (C) and provided with a peripheral wall ( 22, 32 ) around which are strung independent peripheral rings ( 40 - 45, 50 - 55 ). Said rings are provided with a peripheral groove designed to receive the cable (C) and are made of an elastic material so as to allow both the cable (C) to be driven and a relative sliding movement between the peripheral rings ( 40 - 45, 50 - 55 ) and the peripheral wall ( 22, 32 ), the relative sliding movement being of amplitude substantially equal to longitudinal deformation of the cable (C), when it is subjected to tension stresses. The two drums ( 2, 3 ) can be axially offset relative to each other ( $\rho/2$ ) and their axes of rotation ( $\Delta_1$ ,  $\Delta_2$ ), may form a non-null angle of inclination. The invention is particular applicable to deep sea oil exploration.

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