

Title (en)

AUTO-CONTROLLED WINCH FOR HANDLING LOADS ON SHIPS, CRAFTS, BOATS, PONTOONS, PLATFORMS AND SIMILAR IN PARTICULAR FOR LIFEBOATS OR OTHER LOADS

Title (de)

SELBSTGESTEUERTE WINDE ZUR HANDHABUNG VON LASTEN AUF SCHIFFEN, BOOTEN, PONTONS, PLATTFORMEN, SOWIE ANDEREN WASSERFAHRZEUGEN UND DERGLEICHEN, INSBESONDERE FÜR RETTUNGSBOOTE ODER ANDERE LASTEN

Title (fr)

TREUIL AUTO-CONTRÔLÉ PERMETTANT DE MANIPULER DES CHARGES SUR DES BATEAUX, DES EMBARCATIONS, DES NAVIRES, DES PONTONS, DES PLATEFORMES ET SIMILAIRES, EN PARTICULIER DES CANOTS DE SAUVETAGE OU AUTRE CHARGES

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Application

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Abstract (en)

[origin: WO2007129335A1] Winch for handling loads on boats, ships, pontoons, platforms and similar in particular though not exclusively for lifeboats, where the winch includes a fluid dynamic operating system associated with a container (S) and respective operative piping circuit (C) to command and control by means of a pump (3) a winch drum (TV), to which cable in winding/unwinding a load is suspended (P) preferably a lifeboat or other appropriate load of variable value, characterised in that: - it includes a gradual intervention device for the control of the braking speed of the load in descent (1 5) which includes a descending speed control lever (1) involving a leverage (7) operating axially on a slider (4) of the main speed regulation valve (VRV) with fluid entry (11) from the drawing pump (3) in said container (S) and exit (12) towards said container (S), said pump being connected to said winch drum (TV). - said main speed regulation valve (VRV) including furthermore two additional holes (13, 14) substantially placed to the side of said entry and exit holes (11, 12), substantially at the same level, so that, when said slider (4) is in the position of maximum opening, this puts also said additional holes (13, 14) in communication, connected to respective additional channels which supply an automatic compensation valve of the descending speed on varying the load (15), involving a piston (154) associated with normally open elastic means (157) so that in the reducing of the pressure in the circuit, it provides to choke it, re-balancing the pressure and therefore normalizing the speed in said pump (2) and consequently in said speed of said winch drum (TV) and consequently normalizing the descending speed of the load (P) also when it is greater than a previous setting value in said system and vice-versa.

IPC 8 full level

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