

Title (en)

AUTONOMOUS CARGO LEVELER FOR CRANES ACTIVATED BY RADIOCONTROL

Title (de)

DURCH FUNKSTEUERUNG AKTIVIERTE UNABHÄNGIGE FRACHTLADEBRÜCKE FÜR KRÄNE

Title (fr)

NIVELEUR DE CHARGE AUTONOME POUR GRUES, ACTIONNÉ PAR RADIOCOMMANDE

Publication

EP 2660183 A1 20131106 (EN)

Application

EP 11853558 A 20111214

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Abstract (en)

The present invention relates to a radio control-operated autonomous load leveler for cranes with: - a support (1) with a crane hitch (2); - an electric power generator; - a remote control system for wirelessly receiving commands; - load leveling means for handling the load depending on commands received by the remote control system, comprising: #¢ at least one hydraulic winch or block and tackle (3,4); #¢ a electrohydraulic pump (6); #¢ a hydraulic liquid tank (7); #¢ a hydraulic distributor (8); #¢ one electrovalve (9) for each hydraulic winch or block and tackle (3,4) powered by the electric power generator for activating the corresponding hydraulic motor (4) depending on the commands received by the remote control system. The invention can be applied to a load lifting operation with cranes, for shortening or lengthening the chains or slings remotely and the load being suspended, preventing the continuous handling of the load by operators.

IPC 8 full level

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Cited by

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