

Title (en)
METHOD AND CONTROL ASSEMBLY FOR OPERATING IN PARALLEL AT LEAST TWO LIFTING DEVICES, IN PARTICULAR CRANES

Title (de)
VERFAHREN UND STEUERUNGSANORDNUNG ZUM PARALLELEN BETREIBEN VON MINDESTENS ZWEI HEBEZEUGEN, INSBESONDERE KRANEN

Title (fr)
PROCÉDÉ ET SYSTÈME DE COMMANDE PERMETTANT DE FAIRE FONCTIONNER PARALLÈLEMENT AU MOINS DEUX ENGINS DE LEVAGE, NOTAMMENT DES GRUES

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Abstract (en)
[origin: CA2842740A1] The invention relates to a method and a control assembly for operating at least two lifting devices, in particular at least two cranes (1a, 1b), in group operation and in normal operation. Each lifting device has an electric lifting-gear motor (6a, 6b) having an associated control system (3a, 3b), which is connected to a control switch (9a, 9b). The at least two lifting devices are controlled through a common bus (7). In the group operation, the at least two lifting devices are jointly controlled through the bus (7) by one of the control switches (9a, 9b). In order to create a control device for safely operating at least two lifting devices, in particular cranes, in parallel, it is proposed that one of the control switches (9a, 9b) is in an active state in the group operation and the one or more remaining control switches (9b, 9a) are in a passive state, and that in order to prepare for the group operation, the normal operation is deselected by one of the control switches (9a, 9b) that are in the normal operation before the group operation is released for log-in by the other control switch (9a, 9b) or one of the other control switches (9a, 9b), which is then in the active state in the group operation, and in order to prepare for the normal operation, the active control switch (9a, 9b) in the group operation deselects the group operation and selects the normal operation before the other control switch (9a, 9b) or the other control switches (9a, 9b) in the passive group operation are released for logging into the normal operation.

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