

Title (en)
A METHOD OF CONTROLLING A CRANE, AND A CRANE

Title (de)
VERFAHREN ZUR STEUERUNG EINES KRANS UND KRAN

Title (fr)
PROCÉDÉ DE COMMANDE D'UNE GRUE ET GRUE

Publication
EP 3889095 A1 20211006 (EN)

Application
EP 21165232 A 20210326

Priority
SE 2050359 A 20200331

Abstract (en)
A crane (1) comprising a movable arm (2), and a tool (9) provided at an end of the movable arm (2). The crane (1) comprises a control system configured to a) detect a first condition in which the tool (9) is in a holding position and the movable arm (2) is in an unloaded condition in which it is not actively lifting an object held by said tool (9), b) registering a first point of time at which the first condition is obtained and counting a period of time (t) from the first point of time, and, c) when the counted period of time (t) exceeds a threshold value ($t_{\text{threshold}}$), activating a safe operation mode in the control system which prevents a first hydraulic device (3, 4, 5) from moving the movable arm (2), said safe operation mode being deactivatable by an actuation of a second hydraulic valve for controlling the holding position of the tool (9).

IPC 8 full level
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CPC (source: EP SE)
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Citation (search report)

- [A] EP 1607365 A1 20051221 - HIAB AB [SE]
- [A] EP 3546414 A1 20191002 - TEREX DEUTSCHLAND GMBH [DE]
- [A] US 4037742 A 19770726 - GUSTAFSSON HANS ERIC KARL

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