Title (en)

Safety and steering method for cranes

Title (de)

Sicherungs- und Steuerungsverfahren für Krane

Title (fr)

Procédé de protection et de commande pour grue

Publication

EP 1894882 A3 20090415 (DE)

Application

EP 07014608 A 20070725

Priority

DE 102006040782 A 20060831

Abstract (en)

[origin: EP1894882A2] The method involves determining loss events for motion vectors of cranes, and activating a warning function, when given motion vectors lead to the loss events, where the loss events include an overload of the cranes. The motion vectors used for driving the cranes is limited to the motion vectors, which lead to loss events with none of the cranes. The overload is determined over load moment zones assigned to the respective cranes. Independent claims are also included for the following: (1) a safety system for operating a set of cranes (2) a control system for lifting and/or transporting a common load with a set of cranes (3) a control method for lifting and/or transporting a common load with a set of cranes.

IPC 8 full level

B66C 15/04 (2006.01); **B66C 15/06** (2006.01)

CPC (source: EP US)

B66C 15/045 (2013.01 - EP US); **B66C 15/065** (2013.01 - EP US)

Citation (search report)

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- [A] DD 216222 A1 19841205 - UNIV ROSTOCK [DD]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1894882 A2 20080305; **EP 1894882 A3 20090415**; **EP 1894882 B1 20121205**; DE 102006040782 A1 20080320; ES 2396979 T3 20130301; JP 2008056492 A 20080313; JP 5433141 B2 20140305; US 2008053945 A1 20080306; US 9187295 B2 20151117

DOCDB simple family (application)

EP 07014608 A 20070725; DE 102006040782 A 20060831; ES 07014608 T 20070725; JP 2007220713 A 20070828; US 89792007 A 20070831