

Title (en)  
Crane control with active swell sequence

Title (de)  
Kransteuerung mit aktiver Seegangsfølge

Title (fr)  
Commande de grue dotée d'un suivi actif de houle

Publication  
**EP 2123588 B1 20181010 (DE)**

Application  
**EP 09006080 A 20090504**

Priority  
DE 102008024513 A 20080521

Abstract (en)  
[origin: EP2123588A1] The control has a lifting gear for lifting a load suspended at a cable. A measuring device e.g. global positioning system-element, is provided for determining an actual swell movement from sensor data. A forecasting device is provided for forecasting an intended movement of the load suspending point on basis of the determined actual swell movement and a model of the swell movement. A load path control partially compensates the movement of the load by the swell by controlling the lifting gear of the crane based on the forecasting movement of the load suspending point. An independent claim is also included for a method for controlling a crane arranged on a floating body.

IPC 8 full level  
**B66C 13/06** (2006.01); **B63B 17/00** (2006.01); **B63B 27/10** (2006.01); **B66C 23/52** (2006.01)

CPC (source: EP US)  
**B63B 27/10** (2013.01 - EP US); **B66C 13/063** (2013.01 - EP US); **B66C 23/52** (2013.01 - EP US); **B63B 2017/0072** (2013.01 - EP US)

Citation (examination)  
• WO 0142126 A1 20010614 - COFLEXIP [FR], et al  
• WO 2009036456 A2 20090319 - GOODCRANE CORP [US], et al & EP 2195273 A2 20100616 - GOODCRANE CORP [US]

Cited by  
EP3335977A1; CN113526375A; CN113879460A; CN113687597A; EP3854747A1; EP2550226A4; EP2636635A1; EP2636636A1; US10244747B2; US10561061B2; DE102014224204A1; DE102016225093A1; US10470361B2; EP3183963B1; EP3335977B1; EP3007553B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2123588 A1 20091125; EP 2123588 B1 20181010**; CN 101585486 A 20091125; CN 101585486 B 20161221; DE 102008024513 A1 20091126; DE 102008024513 B4 20170824; US 2010230370 A1 20100916; US 8235231 B2 20120807

DOCDB simple family (application)  
**EP 09006080 A 20090504**; CN 200910203462 A 20090521; DE 102008024513 A 20080521; US 45461909 A 20090520