

Title (en)

METHOD FOR CONTROLLING THE SWINGING MOTION OF AN OSCILLATING LOAD AND DEVICE FOR APPLYING SAME

Title (de)

VERFAHREN ZUR KONTROLLE VON SCHWINGUNGEN EINER PENDELNDEN LAST UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE CONTROLE DE BALANCEMENT D'UNE CHARGE PENDULAIRE ET DISPOSITIF DE MISE EN UVRE DU PROCEDE

Publication

EP 0713474 A1 19960529 (FR)

Application

EP 94925510 A 19940812

Priority

- FR 9401005 W 19940812
- FR 9309973 A 19930813

Abstract (en)

[origin: WO9505336A1] Method for controlling the swinging motion of an oscillating load suspended to a movable support, wherein the movement of said support is controlled by any speed setpoint. The method includes a step (AS1) for automatically controlling the actual swaying value of the oscillating load by means of a zero swaying value and a step (37) for adjusting the speed setpoint (CV) of said support according to a correction value (E1) determined during the automatic swaying control step (AS1). The invention can be used for example for moving a load by means of a harbour crane.

IPC 1-7

B66C 13/06

IPC 8 full level

B66C 13/06 (2006.01)

CPC (source: EP US)

B66C 13/063 (2013.01 - EP US)

Citation (search report)

See references of WO 9505336A1

Citation (examination)

- PROCEEDINGS OF THE EIGHTH TRIENNIAL WORLD CONGRESS OF THE INTERNATIONAL
- FEDERATION OF AUTOMATIC CONTROL, vol.4, 24 Août 1981, KYOTO, JAPAN pages 1885 - 1890 E. OHNISHI ET AL. 'Automatic control of an overhead crane'

Designated contracting state (EPC)

AT BE DE DK ES FR GB GR IE IT NL PT SE

DOCDB simple family (publication)

WO 9505336 A1 19950223; AT E148074 T1 19970215; CA 2169369 A1 19950223; CA 2169369 C 20030610; DE 69401591 D1 19970306; DE 69401591 T2 19970710; EP 0713474 A1 19960529; EP 0713474 B1 19970122; ES 2100083 T3 19970601; FR 2708920 A1 19950217; FR 2708920 B1 19951013; GR 3023154 T3 19970730; US 5878896 A 19990309

DOCDB simple family (application)

FR 9401005 W 19940812; AT 94925510 T 19940812; CA 2169369 A 19940812; DE 69401591 T 19940812; EP 94925510 A 19940812; ES 94925510 T 19940812; FR 9309973 A 19930813; GR 970400816 T 19970415; US 59629396 A 19960213