

Title (en)

Device for controlling automatically the position and the oscillations of a suspended load during its transportation by a lifting device.

Title (de)

Einrichtung zur automatischen Überwachung der Lage und der Schwingungen einer hängenden Last während ihres Transports durch eine Hubvorrichtung.

Title (fr)

Dispositif de contrôle automatique de la position et des oscillations d'une charge suspendue durant son transfert au moyen d'un appareil de levage.

Publication

EP 0394147 A1 19901024 (FR)

Application

EP 90420187 A 19900412

Priority

FR 8905238 A 19890414

Abstract (en)

Device for controlling automatically the position and the oscillations of a suspended load during its transportation by a lifting device, comprising: - at least one guide means on which moves a translationally moveable carriage, actuated by a motor, to which is hooked a cable (or a rod) from the other end of which is suspended the load to be transported; - at least one position sensor, - an angle sensor, arranged on the carriage, characterised in that it comprises: - a first control loop comprising: . a first comparator (22) . a proportional corrector (23) . a second so-called position control loop, comprising: . a second comparator (20) . a proportional and integral corrector (21) - an adder (24). Application to any transportation of a suspended load requiring special conditions. <IMAGE>

IPC 1-7

B66C 13/06

IPC 8 full level

B66C 13/06 (2006.01); **B66C 13/46** (2006.01)

CPC (source: EP)

B66C 13/063 (2013.01); **B66C 13/46** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN
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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0394147 A1 19901024; **EP 0394147 B1 19930922**; AT E94850 T1 19931015; DE 69003432 D1 19931028; FR 2645846 A1 19901019; FR 2645846 B1 19911004

DOCDB simple family (application)

EP 90420187 A 19900412; AT 90420187 T 19900412; DE 69003432 T 19900412; FR 8905238 A 19890414