

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)

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN
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