

Title (en)

Device for measuring the load for a lifting device

Title (de)

Lasterfassungseinrichtung für ein Hubwerk

Title (fr)

Dispositif de détermination de la charge pour un système de levage

Publication

EP 0770573 A3 19980909 (DE)

Application

EP 96112970 A 19960812

Priority

DE 19539927 A 19951026

Abstract (en)

[origin: EP0770573A2] The load detection device uses a signal (40) induced in the winding (27,28) of the electric motor of the lifting mechanism which is not energised for driving the latter. The momentary loading is determined from the frequency of a given spectral peak of the induced signal frequency spectrum, with a filter used for suppression of a given spectral range of the induced signal, e.g. the spectral range below the frequency of the energising voltage for the energised motor winding.

IPC 1-7

B66D 1/46

IPC 8 full level

B66D 1/58 (2006.01)

CPC (source: EP)

B66D 1/58 (2013.01)

Citation (search report)

- [Y] US 4761703 A 19880802 - KLIMAN GERALD B [US], et al
- [Y] DE 3623755 A1 19880218 - ABUS KG [DE]
- [DA] DE 2850581 A1 19800529 - DEMAG AG MANNESMANN
- [A] DE 1538806 A1 19700102 - GRUNDIG EMV
- [E] US 5680025 A 19971021 - BOWERS III STEWART V [US], et al

Designated contracting state (EPC)

BE DE FR NL

DOCDB simple family (publication)

EP 0770573 A2 19970502; EP 0770573 A3 19980909; DE 19539927 A1 19970430

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EP 96112970 A 19960812; DE 19539927 A 19951026