

Title (en)

Regenerative elevator induction motor control.

Title (de)

Rückführungssteuerung für einen Aufzugsinduktionsmotor.

Title (fr)

Commande de l'énergie de régénération d'un moteur à induction d'un ascenseur.

Publication

**EP 0607645 A1 19940727 (EN)**

Application

**EP 93300435 A 19930121**

Priority

- EP 93300435 A 19930121
- JP 17358091 A 19910715

Abstract (en)

In a regenerated power consumption circuit wherein power that is regenerated by an elevator induction motor inverter (2) is consumed by a series circuit of a resistor (5) and a switch (6) installed in the inverter DC circuit, a software configuration filter (16A) is installed, whereby the detection signal for when the DC voltage of the DC circuit exceeds the ON-OFF level of the switch is subjected to a filter treatment, and ON-OFF control of the switch is carried out with the maximum switching frequency determined by the time constant of the filter, with respect to variation of the DC voltage. The invention enables the use of a switch with a low switching speed, and in addition, simplifies the circuit configuration for regenerated power consumption. <IMAGE>

IPC 1-7

**B66B 1/30**

IPC 8 full level

**B66B 1/30** (2006.01); **B66B 1/32** (2006.01); **H02P 3/18** (2006.01)

CPC (source: EP)

**B66B 1/30** (2013.01)

Citation (search report)

- [A] EP 0314801 A1 19890510 - FANUC LTD [JP]
- [A] GB 2167252 A 19860521 - MITSUBISHI ELECTRIC CORP
- [A] US 4545464 A 19851008 - NOMURA MASAMI [JP]
- [A] WO 8806817 A1 19880907 - OTIS ELEVATOR CO [US]

Cited by

US7837011B2

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**EP 0607645 A1 19940727**; **EP 0607645 B1 19970416**; JP 2888670 B2 19990510; JP H0517078 A 19930126

DOCDB simple family (application)

**EP 93300435 A 19930121**; JP 17358091 A 19910715