

Title (en)

PROCESS FOR SUPPLYING POWER TO A THREE-PHASE MOTOR OF A LIFTING DEVICE, AND DEVICE FOR CARRYING OUT THE PROCESS

Publication

**EP 0259656 B1 19901031 (DE)**

Application

**EP 87111895 A 19870817**

Priority

DE 3629266 A 19860828

Abstract (en)

[origin: EP0259656A1] 1. A method for supplying a three-phase motor (M) of a hoisting unit provided with a load measuring unit (6), in particular an asynchronous motor and in particular a cage motor, with electric energy of variable frequency and variable voltage or current intensity, in particular from a converter (1, 2), wherein the frequency is regulated such that when lifting a lifting load the three-phase motor forms the required lifting moment and wherein a basic value of the voltage or the current intensity is preset to be so high in the lower frequency range, that the magnetization of the three-phase motor is also sufficient in the lower frequency range for forming the lifting moment and for lifting load, characterised in that the basic value (U2) of the voltage (U) or current intensity is lowered relative to the limiting basic value (U1) required for forming a limiting lifting moment and for lifting a limiting lifting load, if the lifting load (5) detected by the load measuring unit (6) is smaller than the limiting lifting load.

IPC 1-7

**B66B 1/28**; **B66D 1/48**; **H02P 1/30**

IPC 8 full level

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CPC (source: EP)

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Cited by

CN104925686A; EP0544084A3; EP0710619A3; CN105439022A; EP2357724A1; DE102007062609A1; US9950914B2; US8816619B2

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