Title (en)

HOISTING DEVICE WITH VARIABLE LIFTING SPEED

Publication

EP 0544084 A3 19930804 (DE)

Application

EP 92117055 A 19921006

Priority

DE 4138596 A 19911123

Abstract (en)

[origin: EP0544084A2] A hoisting device (5) which is driven by a three-phase asynchronous motor (4) having a squirrel-cage rotor is intended to be driven with a variable lifting speed from a single-phase or multi-phase AC network (1). This is possible as a result of a voltage intermediate-circuit converter (2) which is supplied on the network side from the single-phase or multi-phase AC network (1) and, on the load side, supplies a three-phase network (3) to which the asynchronous motor (4) is connected. The frequency of the three-phase network (3), and hence also the lifting speed of the hoisting device, can be higher than the frequency of the single-phase or multi-phase AC network (1) and the lifting speed resulting therefrom. Provided between the three-phase network (3) and the voltage intermediate-circuit converter (2) is a regulator (6) which limits the maximum frequency in a load-dependent manner. <IMAGE>

IPC 1-7

B66B 1/30

IPC 8 full level

B66B 1/30 (2006.01); **B66C 13/26** (2006.01)

CPC (source: EP)

B66B 1/30 (2013.01)

Citation (search report)

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