

Title (en)

FREQUENCY CONVERTERS WITH AT LEAST ONE BOOSTER CAPACITOR

Title (de)

FREQUENZUMRICHTER MIT MINDESTENS EINEM BOOSTER-KONDENSATOR

Title (fr)

CONVERTISSEURS DE FRÉQUENCE AVEC AU MOINS UN CONDENSATEUR SURVOLTEUR

Publication

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Application

**EP 18830508 A 20181024**

Priority

- HR P20171686 A 20171103
- HR 2018000018 W 20181024

Abstract (en)

[origin: WO2019086915A1] Owing to the use of "booster" capacitor at the output of the frequency converter, additional currents flow through the electric motor, so it is possible to load an electric motor depending on the performance of the frequency converter, as shown in Figures 1 to 5, with a maximum power of 95%, respectively according to configurations shown in pictures of 8 to 10 with a maximum power of 90%. Therefore, with aim to solve the above said problem, the present patent reveals new type of frequency converters having the "booster" capacitor which is at voltage that is higher than that of the grid voltage. The present invention proposes two types of frequency converters: a) Converters with input DC link b) Converters which don't have an input DC link, but are powered from the grid via the motor winding (without rectifying diodes).

IPC 8 full level

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