

Title (en)

AC/AC CONVERTER FOR CONVERSION BETWEEN THREE PHASE AND SINGLE PHASE POWER SUPPLIES

Title (de)

AC/AC-WANDLER ZUM WECHSELN ZWISCHEN DREIPHASIGER UND EINPHASIGER STROMVERSORGUNG

Title (fr)

CONVERTISSEUR CA/CA POUR CONVERSION ENTRE ALIMENTATIONS ÉLECTRIQUES TRIPHASÉE ET MONOPHASÉE

Publication

**EP 3011665 A2 20160427 (EN)**

Application

**EP 14814235 A 20140620**

Priority

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- IN 2014000414 W 20140620

Abstract (en)

[origin: WO2014203282A2] A bi-directional AC/AC converter is designed to provide improved AC/AC power conversion along with reduced switching losses, reduced harmonic distortion and improved power factor. The converter is characterized by bi-directional switches comprising IGBTs that are selectively turned ON to generate an output AC voltage having a frequency in the range of 50 Hz to 30 kHz. The conduction of IGBTs for each phase of a three phase supply is controlled by a control circuit provided therein.

IPC 8 full level

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