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(71) Applicants:
• **OSRAM GmbH**
80807 München (DE)
• **OSRAM S.P.A. - SOCIETA' RIUNITE OSRAM**
EDISON CLERICI
20126 Milano (IT)
Designated Contracting States:
IT

(72) Inventor: **LUCCATO, Mr. Daniele**
I-31029 Vittorio Veneto (Treviso) (IT)

(74) Representative: **Meindl, Tassilo et al**
Buzzi, Notaro & Antonielli d'Oulx
Corso Vittorio Emanuele II, 6
10123 Torino (IT)

(54) **ELECTRONIC CONVERTER, AND RELATED METHOD OF OPERATING AN ELECTRONIC CONVERTER**

(57) There is described an AC/DC electronic converter. The converter includes two input terminals for receiving an AC voltage (V_{in}) and two output terminals (106a, 106b) for providing a regulated voltage (V_{out}) or current (i_{out}). Moreover, the AC/DC electronic converter includes a rectifier circuit and a boost converter (12).

The boost converter (12) receives at input, via a positive input terminal (104a) and a negative input terminal (104b), the DC voltage ($V_{in,DC}$) generated via the rectifier circuit, and provides at output, via a positive output terminal (106a) and a negative output terminal (106b), the regulated voltage (V_{out}) or current (i_{out}).

The electronic converter further includes a control circuit (14) configured to drive electronic switch (S_B) with switching cycles (T_{SW}) comprising a first interval, wherein electronic switch (S_B) is closed, and a second interval wherein electronic switch (S_B) is opened.

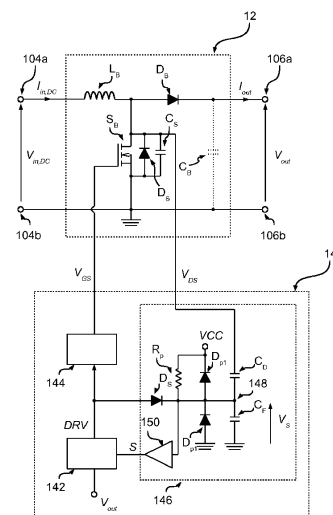


Fig. 12