

Title (en)

AC/DC POWER CONVERTER WITH IMPROVED POWER FACTOR AND IMPROVED THDI

Title (de)

WECHSELSTROM/GLEICHSTROMRICHTER MIT VERBESSERTEM LEISTUNGSFAKTOR UND VERBESSERTER THDI

Title (fr)

CONVERTISSEUR DE PUISSANCE AC/DC A FACTEUR DE PUISSANCE ET THDI AMELIORES

Publication

**EP 2656492 A2 20131030 (FR)**

Application

**EP 11799399 A 20111212**

Priority

- FR 1060845 A 20101220
- EP 2011072445 W 20111212

Abstract (en)

[origin: WO2012084572A2] The invention relates to a power converter comprising: a first controlled current source intended for controlling the current flowing on the DC supply bus of the converter, switching means connected on the one hand to a second current source (Si2) controlled and to a third controlled current source (Si3) and on the other hand to each of the input phases (a, b, c) of the converter, first control means (3) devised so as to control the first current source (Si1) controlled in such a way as to impose a current (Ired\_p) on the DC supply bus and second control means (30), synchronized with the first control means (3) and devised so as to control the second current source (Si2) and the third current source (Si3) in such a way as to impose a current (It) on one of the input phases (a, b, c) selected with the aid of the switching means.

IPC 8 full level

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CPC (source: EP US)

**H02M 1/12** (2013.01 - EP US); **H02M 1/4216** (2013.01 - EP US); **H02M 3/24** (2013.01 - US); **H02M 7/06** (2013.01 - US); **H02M 1/0085** (2021.05 - EP); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2012084572A2

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DOCDB simple family (publication)

**FR 2969418 A1 20120622**; **FR 2969418 B1 20121214**; CN 103270679 A 20130828; EP 2656492 A2 20131030; JP 2013546299 A 20131226; US 2013286689 A1 20131031; US 9036370 B2 20150519; WO 2012084572 A2 20120628; WO 2012084572 A3 20121122

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