

Title (en)

ANHARMONIC LOW-CURRENT AC-DC CONVERTER

Title (de)

ANHARMONISCHER NIEDERSTROM-WECHSELSTROM-GLEICHSTROM-UMSETZER

Title (fr)

CONVERTISSEUR AC/DC A FAIBLES COURANTS ANHARMONIQUES

Publication

EP 1766766 A2 20070328 (FR)

Application

EP 05738029 A 20050421

Priority

- EP 2005051786 W 20050421
- FR 0405089 A 20040511

Abstract (en)

[origin: WO2005109615A2] The inventive converter is embodied in the form of an insulated current-hash converter adjustable by means of a controlled switch (5). Said controlled switch (5) is protected by a current-limiting device (9,7) responsive to a peak current instruction proportional to the instantaneous voltage (Vin) of a power supplying source, thereby making it possible to improve the quality of absorbed current and to limit the risk of disturbances of switch-mode power supply and to satisfy the new requirements of avionic networks.

IPC 8 full level

H02M 7/217 (2006.01); **G05F 3/04** (2006.01); **H02M 1/00** (2007.01); **H02M 1/12** (2006.01); **H02M 1/42** (2007.01); **H02M 7/12** (2006.01)

CPC (source: EP US)

H02M 1/4258 (2013.01 - EP US); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2005109615A2

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

WO 2005109615 A2 20051117; **WO 2005109615 A3 20060119**; CA 2566209 A1 20051117; EP 1766766 A2 20070328; FR 2870403 A1 20051118; FR 2870403 B1 20070914; US 2008031021 A1 20080207; US 7551463 B2 20090623

DOCDB simple family (application)

EP 2005051786 W 20050421; CA 2566209 A 20050421; EP 05738029 A 20050421; FR 0405089 A 20040511; US 59612705 A 20050421