

Title (en)
DIRECT CURRENT / DIRECT CURRENT CONVERTER WITH MULTIPLE OUTPUTS

Title (de)
GLEICHSTROM-GLEICHSTROM-WANDLER MIT MEHREREN AUSGÄNGEN

Title (fr)
CONVERTISSEUR CONTINU-CONTINU À SORTIES MULTIPLES

Publication
EP 2030311 A1 20090304 (FR)

Application
EP 07823511 A 20070608

Priority
• FR 2007051395 W 20070608
• FR 0652127 A 20060614

Abstract (en)
[origin: FR2902581A1] The converter has a main output path connecting one of secondary windings (Ns1, Ns2) of a transformer (10) to a main output (Vp). A pulse width modulator (PWM2) is connected to control and free wheel switches (M5, M6) of an auxiliary output path for controlling a conduction interval of the switches to adjust an auxiliary output. The latter path has a rectification switch (M3) controlled in synchronism with a synchronism rectifier of the main path, where the rectifier is delayed by the auxiliary path controlled by control signals of the main output path. The switches are MOSFET transistors.

IPC 8 full level
H02M 3/335 (2006.01)

CPC (source: EP US)
H02M 3/33561 (2013.01 - EP US); **H02M 3/33592** (2013.01 - EP US); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2008006992A1

Designated contracting state (EPC)
DE ES FR GB IT

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
FR 2902581 A1 20071221; FR 2902581 B1 20081024; CA 2654143 A1 20080117; CN 101467342 A 20090624; EP 2030311 A1 20090304; US 2009257248 A1 20091015; US 8031499 B2 20111004; WO 2008006992 A1 20080117

DOCDB simple family (application)
FR 0652127 A 20060614; CA 2654143 A 20070608; CN 200780021761 A 20070608; EP 07823511 A 20070608; FR 2007051395 W 20070608; US 30333707 A 20070608