

Title (en)

METHOD FOR REGULATING A BUCK/BOOST CONVERTER

Title (de)

VERFAHREN ZUR REGELUNG EINES TIEF-HOCHSETZSTELLERS

Title (fr)

PROCÉDÉ DE RÉGULATION D'UN CONVERTISSEUR ABAISSEUR-ÉLÉVATEUR

Publication

EP 2668715 A1 20131204 (DE)

Application

EP 11785629 A 20111109

Priority

- EP 11152043 A 20110125
- EP 2011069741 W 20111109
- EP 11785629 A 20111109

Abstract (en)

[origin: EP2479878A1] The method involves operating buck-boost converter in a batch mode with quasi resonant switching. The inductor current (iL) or current through down converter switching element (S1) is compared with a reference current (Iref) to amplify control signal (Ureg), so that generation time of reference current before a turn-off pulse of pulse-width modulated switching signal (SigS1) is reached by amplified control signal (Uv) and pulse-width modulated switching signal (SigS2). An independent claim is included for buck-boost converter.

IPC 8 full level

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CPC (source: EP US)

H02M 3/04 (2013.01 - US); **H02M 3/1582** (2013.01 - EP US); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2012100853A1

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DOCDB simple family (publication)

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