

Title (en)
DC-TO-DC CONVERTER

Title (de)
SCHALTWANDLER

Title (fr)
CONVERTISSEUR DE COMMUTATION

Publication
EP 1529336 A1 20050511 (DE)

Application
EP 03735143 A 20030623

Priority
• AT 0300175 W 20030623
• AT 12182002 A 20020812

Abstract (en)
[origin: WO2004015850A1] A dc-to-dc converter comprises a transformer (UET), which has at least one primary winding (WP) and at least one secondary winding (WS), and comprises at least one controlled primary switch (SP1, SP2) via which an input direct current voltage (UE) can be applied periodically and with a preset pulse duty factor and/or with a preset frequency to the at least one primary winding. The dc-to-dc converter also comprises at least one controlled synchronous switch (SS1, SS2), which is assigned to the at least one secondary winding and which is provided for synchronous rectification. A trigger circuit (AST) common to the primary and secondary side is provided with a digital processor (DSP) that, derived from a common clock generator (CLK), generates both the switching pulses for the at least one primary switch (SP1, SP2) as well as those for the at least one synchronous switch (SS1, SS2).

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H02M 3/335

IPC 8 full level
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CPC (source: EP US)
H02M 3/33592 (2013.01 - EP US); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2004015850A1

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