

Title (en)

CIRCUIT FOR CONVERTING DC VOLTAGE WITH CURRENT LIMITATION

Title (de)

SCHALTUNG ZUR GLEICHSPANNUNGSWANDLUNG MIT STROMBEGRENZUNG

Title (fr)

CIRCUIT DE CONVERSION DE TENSION CONTINUE AVEC LIMITATION DE COURANT

Publication

**EP 2777140 A2 20140917 (DE)**

Application

**EP 12779022 A 20121019**

Priority

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- EP 2012070765 W 20121019

Abstract (en)

[origin: WO2013068226A2] The invention relates to a circuit for converting DC voltage with current limitation, comprising a DC-to-DC converter (100) having a coil (110) and a controllable switch (120), which can be switched to a low-resistance state and to a high-resistance state, and a current limiter (300a, 300b) for producing a control signal (loc) for controlling the state of the controllable switch of the DC-to-DC converter (100). The current limiter (300a, 300b) is designed in such a way that the current (IL) through the coil at which the current limitation occurs is nearly independent of the relationship of the switch-on/switch-off times of the controllable switch of the DC-to-DC converter (100).

IPC 8 full level

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CPC (source: EP US)

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**H02M 3/1588** (2013.01 - US)

Citation (search report)

See references of WO 2013068226A2

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DOCDB simple family (publication)

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