

Title (en)

DEVICE AND METHOD FOR SWITCHING A DIRECT CURRENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SCHALTEN EINES GLEICHSTROMES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE COMMUTATION D'UN COURANT CONTINU

Publication

EP 3053179 A1 20160810 (DE)

Application

EP 13814053 A 20131129

Priority

EP 2013075144 W 20131129

Abstract (en)

[origin: WO2015078525A1] The invention relates to a device (1) for switching a direct current. The device comprises an operating current branch (2), in which a mechanical switch (3) is arranged, a protective switch (4) connected to the operating current branch for interrupting the current flow in the operating current branch, a capacitor branch (5) connected in parallel with the operating current branch (2), in which capacitor branch a capacitor is arranged, and a damping apparatus (7), which comprises a resistance element (8). The invention is characterized in that the damping apparatus (7) is arranged in the capacitor branch (5) in series with the capacitor (6) or in the operating current branch (2) in series with the mechanical switch (3), which damping apparatus (7) can be bypassed by means of a bypass switch (9) connected in parallel with the damping apparatus (7). The invention further relates to a method for switching a direct current by means of the device of the type in question.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2015078525A1

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