

Title (en)

METHOD AND APPARATUS FOR CURRENT LIMITATION IN VOLTAGE REGULATORS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STROMBEGRENZUNG IN SPANNUNGSREGLERN

Title (fr)

PROCEDE ET APPAREIL DE LIMITATION DU COURANT DANS DES REGULATEURS DE TENSION

Publication

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Application

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Abstract (en)

[origin: WO2005008353A2] A circuit for limiting a power current from a power-controlling pass device, the power-controlling pass device being coupled to a supply voltage, comprises the following. A sense device is coupled to the supply voltage with the sense device being configured to draw a sense current that is proportional to the power current. A current mirror is coupled to the sense device and the supply voltage through a low impedance node, the current mirror being configured to draw a mirror current through the low impedance node that is relative to the sense current. A limiting device is coupled to the supply voltage, the power-controlling pass device, and the low impedance node, the limiting device being configured to limit the power current according to a voltage difference between the low impedance node and the supply voltage.

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