

Title (en)

CIRCUIT FOR CONTROLLING AND MEASURING THE LOAD CURRENT THROUGH A LOAD

Title (de)

SCHALTUNGSANORDNUNG ZUR STEUERUNG UND ERFASSUNG DES LASTSTROMES DURCH EINE LAST

Title (fr)

CIRCUIT POUR REGULER ET MESURER LE COURANT DE CHARGE PASSANT A TRAVERS UNE CHARGE

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Application

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Abstract (en)

[origin: WO9949377A1] The invention relates to a circuit for controlling the current flow (IL) through a load (RL) as said current flow (IL) is measured using the current-sense principle. The inventive circuit has a first transistor pair (P1) consisting of a first load and auxiliary transistor (T11, T21) which have a common control terminal (G1) and which each have a first load path terminal (S). The load (RL) is connected to the first load path terminal (S) of the first load transistor (T11). A measuring arrangement (MA) is connected to the first load path terminal (S) of the first load transistor (T11) by a first input terminal (EK1) and to the first load path terminal (S) of the first auxiliary transistor (T12) by a second input terminal (EK2), and has an output terminal (AK) on which a current flow signal (UA) can be tapped. At least one other load transistor (T12, T1n) is connected in parallel with the first load transistor (T11), said other load transistor being controlled by another control terminal (G2, Gn) in dependence on the current (IL) flowing through the load.

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