

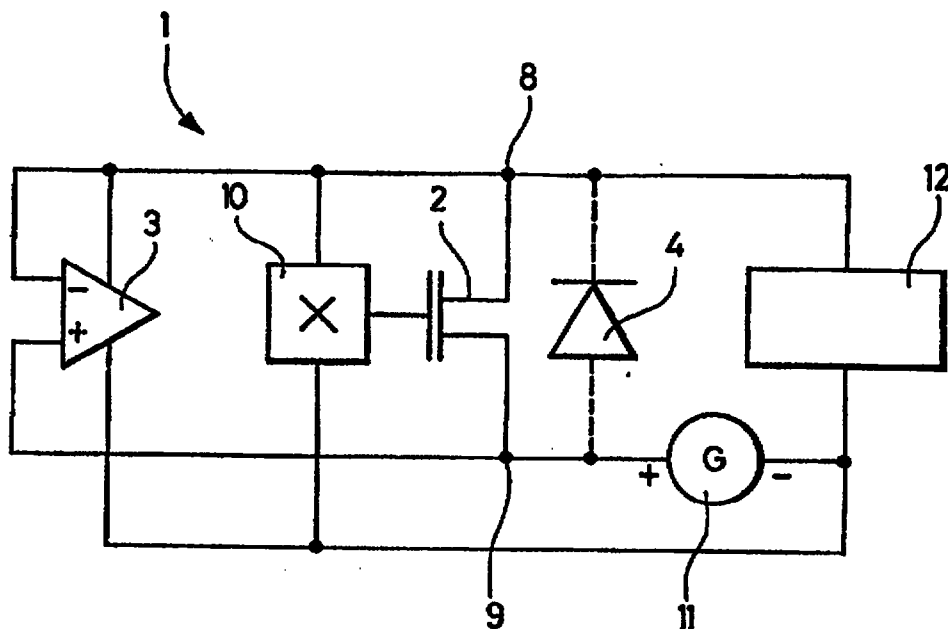
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(54) Title: **ACTIVE RECTIFIER HAVING MINIMAL ENERGY LOSSES**



(57) Abstract

Active rectifier for use in a power supply circuit, comprising a diode (4) connected between an input terminal (9) and an output terminal (8), characterised in that it further comprises a transistor (2) formed in a substrate (50) and having a control electrode (5) and two conductive electrodes (6, 7), these latter being connected respectively to said input terminal (9) and said output terminal (8), and a comparator (3) supplied by said power supply circuit and having two inputs (+, -) respectively connected to said input (9) and said output (8) terminals, and an output connected to said transistor control electrode (5).