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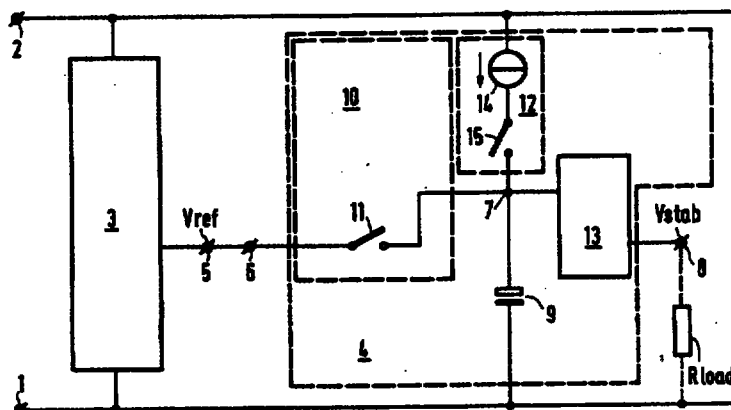
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(54) Power-supply arrangement.

(57) A power-supply arrangement comprises a reference circuit (3) for generating a reference voltage (V_{ref}), the reference circuit being coupled between a first (1) and a second (2) supply voltage terminal for receiving a supply voltage, and a stabilising circuit (4) for generating a stabilisation voltage (V_{stab}) related to the reference voltage, which stabilising circuit has an input terminal (6) for receiving the reference voltage, a common terminal (7), and an output terminal (8) for supplying the stabilisation voltage, and a switching stage (10) which is switched de-

pending on the supply voltage and which comprises at least one switching element (11) coupled between the input terminal and the common terminal, a current source (12) which is switched depending on the supply voltage and which is coupled between the second supply voltage terminal and the common terminal, a capacitor (9) coupled between the common terminal and the first supply voltage terminal, and a buffer stage (13) coupled between the common terminal and the output terminal.

**FIG.1****EP 0 490 432 A1**

This Sheet Has Been Replaced.

