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A VOLTAGE REGULATOR

ABSTRACT

5 A voltage regulator (10) is disclosed for producing a regulated voltage at a regulator output (30). The voltage regulator includes a reference voltage generator (12) arranged to provide a reference voltage at a reference output (28). The reference voltage generator includes a plurality of first field effect transistors (18, 20, 22, 24) connected in series, each first field effect transistor (18, 20, 22, 24) being biased so as to operate as a
10 diode, and the reference output (28) being connected to the regulator output (30). The voltage regulator also includes transistor amplifier means (14) arranged to amplify a portion of the reference voltage, and output transistor means (16) connected to said amplified reference voltage portion and to the regulator output (30) such that the output transistor means (16) decreases the regulated voltage when said amplifier reference
15 voltage portion tends to increase, and the output transistor means (16) increases the regulated voltage when said amplified reference voltage portion tends to decrease.

Figure 1 is to be published.



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