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(54) **BLEEDER CIRCUITRY FOR AN
ELECTRONIC DEVICE**

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ABSTRACT

Devices and methods include voltage buses. The devices also include one or more power amplifiers coupled to the voltage bus. Each of the one or more power amplifiers include one or more transistors. The devices also include a model that is configured to emulate leakage from at least one of the one or more transistors. A current mirror with a first transistor coupled to the model and a second transistor coupled to the voltage bus. The current mirror is configured to draw charge from the voltage bus based at least in part on the emulated leakage from the model.

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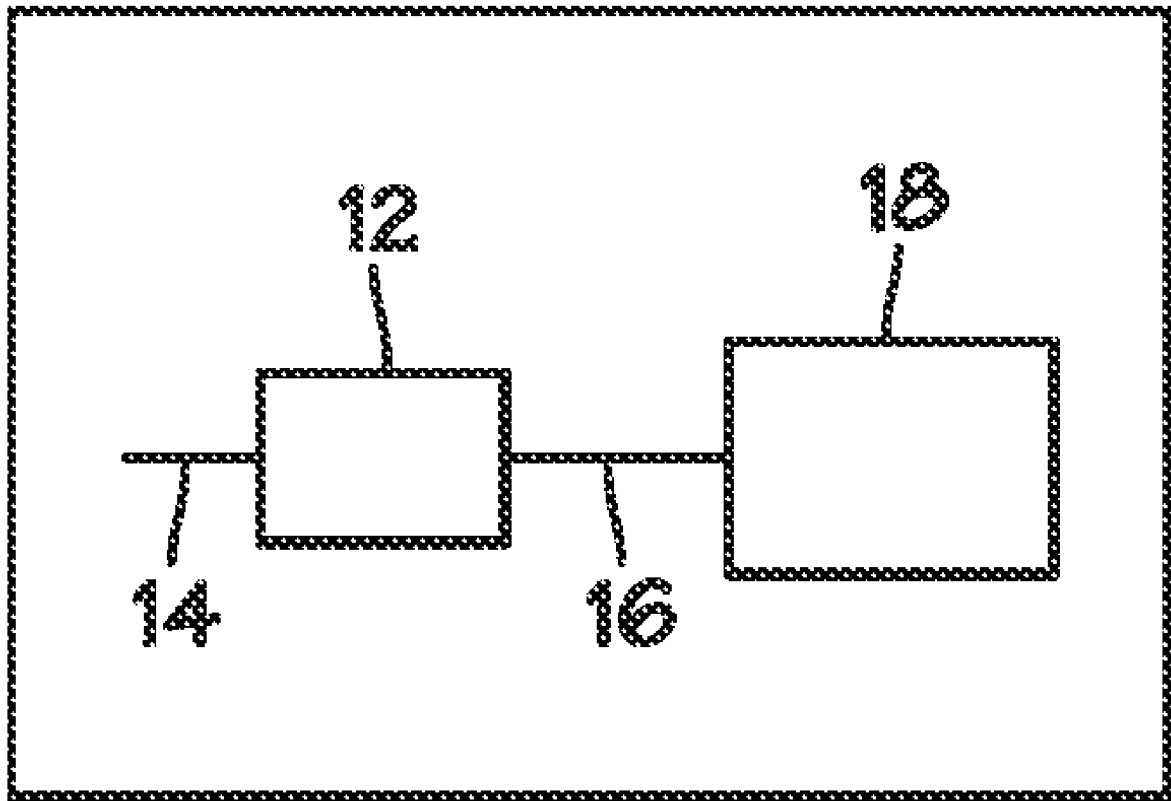
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