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Lee et al.

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(54) **PORTABLE ELECTRONIC DEVICE AND METHOD OF PROVIDING REMAINING AMOUNT OF ELECTRIC POWER OF BATTERY IN PORTABLE ELECTRONIC DEVICE**

(58) **Field of Classification Search**
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G06F 1/3203; G06F 1/3212
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See application file for complete search history.

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(57) **ABSTRACT**

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A portable electronic device is provided, and includes a function key that outputs a predetermined key signal; a key signal regulation unit that regulates a voltage of the predetermined key signal; a Power Management IC (PMIC) that powers on the portable electronic device and identifies a remaining amount of electric power of a battery when receiving the key signal of which a voltage is regulated by the key signal regulation unit in a power-off state; and a controller that controls to perform booting of the electronic device for displaying the remaining amount of electric power of the battery according to the power-on and to display the remaining amount of electric power of the battery.

(52) **U.S. Cl.**
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13 Claims, 5 Drawing Sheets

