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Chen et al.

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(54) **BOOST CONVERTER POWER STAGE CIRCUIT**

(52) **U.S. Cl.**
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(58) **Field of Classification Search**
None
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 90 days.

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(57) **ABSTRACT**

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The present invention discloses a boost converter power stage circuit, comprising: an organic light-emitting diode power management integrated circuit unit, a switched capacitor converter, and a boost converter, wherein, a flying capacitor is used to boost the voltage of the inductor to twice the voltage, and then the positive voltage of the output voltage source is boosted, and then use the switched capacitor converter to output the voltage in order to obtain the conversion of the negative voltage.

7 Claims, 7 Drawing Sheets

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