



Project : Charger for portable equipment

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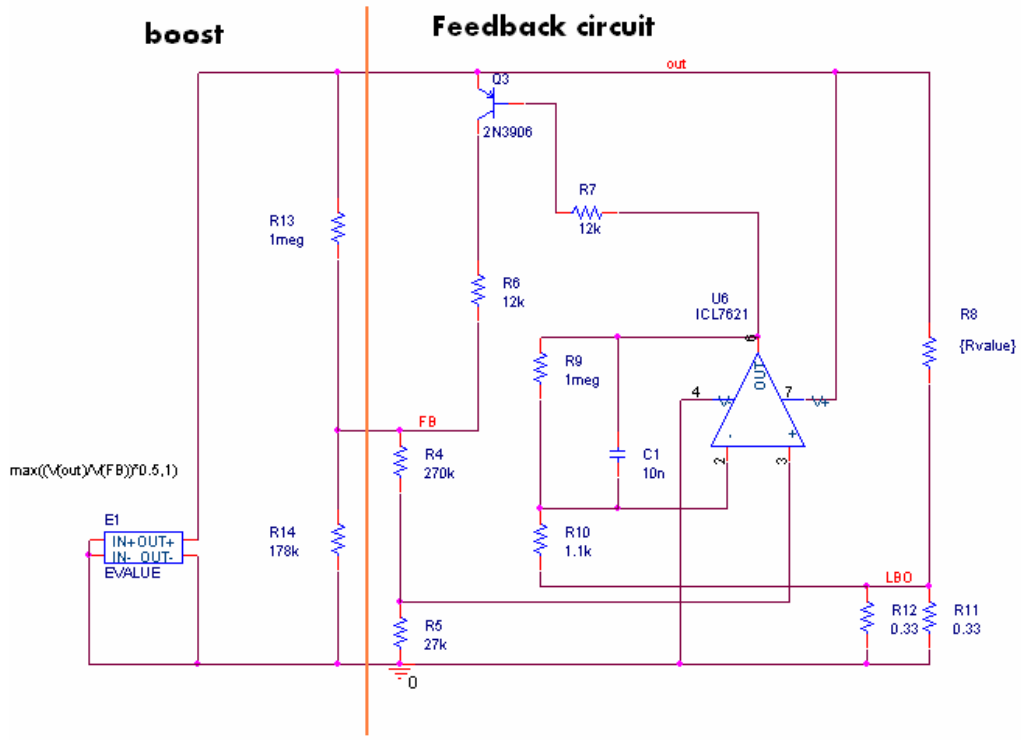
Year : 2005-2006

Abstract

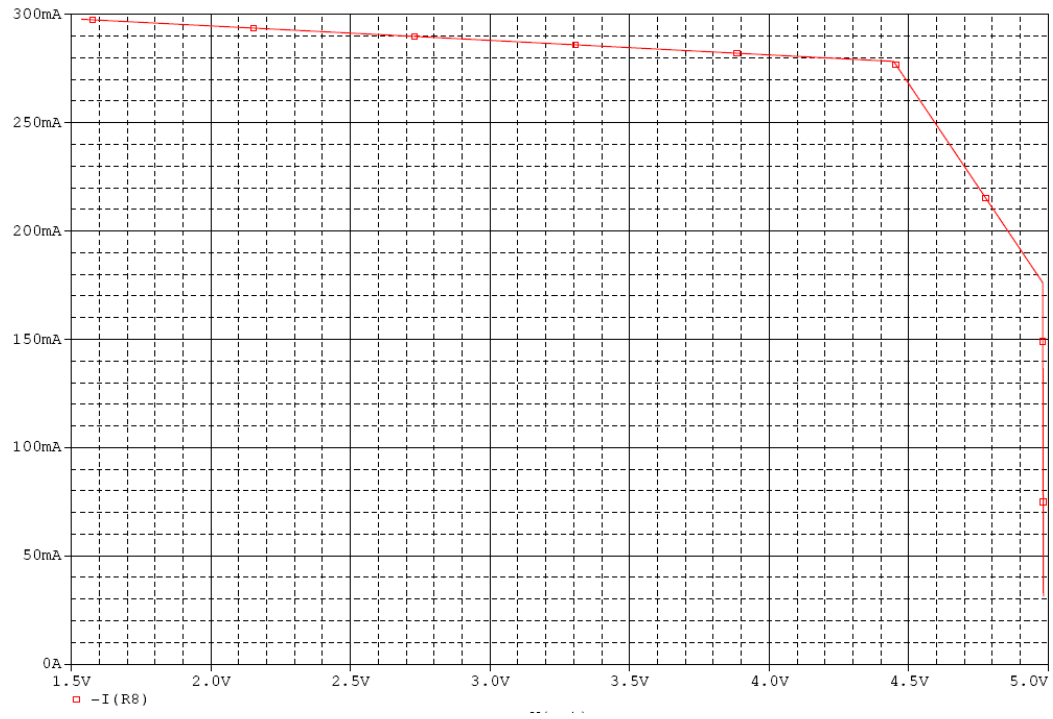
The objective of this project is to develop and build a portable charger, operating from one alkaline battery cell for charging portable equipment that include chargeable batteries (such as cellular phones and MP3 players).

The application is based on TPS61020 device. It is product of Texas Instrument. This device based on synchronous boost converter. Feedback circuit designed to limit the current in the output in purpose to provide proper condition of charging for secondary battery.

Spice simulation of the circuit



(Iout/ Vout)



Layout of the circuit

