

**ABSTRACT****CONVERTER CIRCUIT FOR AN ELECTRONIC FLASH DEVICE**

5           The converter circuit for a flash device for converting a voltage from a voltage source into a converter voltage comprises a transformer having a primary coil and a secondary coil, a first end of the secondary coil connected to a first end of the primary coil, a second end of the secondary coil providing the converter voltage to a flash capacitor; and an NPN transistor having a collector, 10 emitter, and a base, the collector connected to the second end of the primary coil, the emitter connected to a negative voltage of the voltage source, the base connected to the flash capacitor and a second capacitor, the second capacitor connected to a positive voltage of the voltage source.

15   Figure 1