

THERMAL NEUTRON SHIELDED INTEGRATED CIRCUITS**ABSTRACT OF THE DISCLOSURE**

A thermal neutron shield (520) for integrated circuits (511-515) deters absorption of thermal neutrons by circuit constituents to form unstable isotopes with subsequent decay which generates bursts of charge which may upset of stored charge and create soft errors. The shielding may be either at the integrated circuit level (such as a layer on insulation or in the filler of plastic packaging material) or at the board level (such as a filler or film on a container wall).

FIGURE 4