APPARATUS AND METHOD FOR SUPPRESSION OF ELECTROMAGNETIC INTERFERENCE

ABSTRACT

An apparatus for the suppression of electromagnetic emissions from an electronic device. The apparatus includes a die cast metallic container having a continuous wall, a shoulder formed on the continuous wall, a plurality of rounded corners, and a neck portion. The neck portion and shoulder mate with a deep drawn metallic cap. A source of electromagnetic emissions is disposed in the interior space defined by the container and the cap, and a flex strip source passes through a groove formed in an external wall of the container to supply the source. The container is adapted for use in an optical disc system and provides a mount for a semiconductor laser modulated at a radio frequency on the order of 450 MHz. The container also holds auxiliary electronics. A conductive tape seals the assembly so that electromagnetic emissions of the laser are confined within the interior space.

FIGURE 129

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