

ABSTRACT

A magnetic shield structure having openings, the structure comprising a plurality of similar magnetic blind bodies 2, each blind body 2 having an imaginary blind core plane F and a plurality of magnetic material slats 1 being spaced from each other by a distance d required for magnetic shielding, each slat 1 intersecting the blind core plane F at a longitudinal central axis C thereof, the longitudinal central axes of the slats are oriented substantially in parallel to each other on the blind core plane F. The blind bodies 2a, 2b are coupled in a row by serially coupling each slat 1 in each blind body 2a to a corresponding slat 1 of adjacent blind body 2b through overlapping or abutting of slat terminal portions, whereby the blind core planes Fa, Fb of the blind bodies 2a, 2b are so coupled as to define a successive magnetic shield plane, and spaces d between adjacent slats 1 in each blind body 2a, 2b form openings in the magnetic shield structure. Preferably, three or more magnetic blind bodies 2 are coupled in a row so as to form a closed magnetic path. The blind bodies 2a, 2b may be stacked side by side in such a manner that the blind core plane Fa, Fb are parallel to each other and orientation of the slat central axes in each blind body 2a, 2b being selected so as to optimize attenuation of magnetic field across the magnetic shield structure.