

IRON-OXIDIZED HARD DISK DRIVE ENCLOSURE COVER

ABSTRACT OF THE DISCLOSURE

An iron-oxidized hard disk drive (HDD) cover has an inner surface that is substantially free of un-oxidized or pure metallic iron, fabricated by baking a stainless steel cover and thereby oxidizing the cover surface of iron. Because the cover is iron-oxidized, a costly nickel-plating process may be foregone while a “Fe smear” problem may be significantly reduced. Such an iron-oxidized cover is especially beneficial for, though not limited to, use as an inner cover in a sealed HDD.

Figure 1