

ANTI-THEFT GROUNDING SYSTEM FOR INDUSTRIAL APPLICATION

DESCRIPTION

This product is designed to deter the theft of copper grounding wires and rods which prevalent throughout the world. In conventional grounding systems, the key component used in all accessories is copper. Due to the increasing prices of scrap copper, there has been a sharp increase in theft of grounding rods all over the world. This invention eliminates the incentive in the copper theft by replacing the copper down conductor used in the grounding system with galvanised steel which is much more cheaper to implement and has a very low resale value (around 300percent lesser) compared to copper.

Needs

- Galvanised steel wire and naturally available material as the grounding system.
- Low ground resistance to remote earth with easy installation and reinstallation.
- Cheaper grounding system for electrical networks, lightning protection system, gas pipelines.
- Less prone to theft.

Application

- Hard methods (including concrete encapsulation, spiking and protective shielding).
- Alarm methods (use of alarms, monitoring).
- Camouflage.
- Theft deterrence using alternative materials than copper.

Benefits

- Able to improve the system performance when applied for a building (which does not extract very high power levels from the electricity lines).
- Reducing the cost.
- Preventing theft.

Targeted Market

- Telecommunications
- Electrical distribution
- Building Industries.



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