

Electron Mobility Acceleration Technology (EMAT)

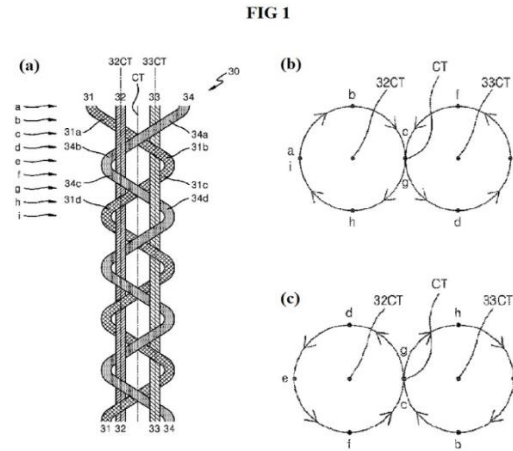
US Patent: Spiraling Electric Wire Bundles for Loss Reduction (US10475557B2)

Pattern Features:

3D copper wire design reduces electrical resistance and accelerates current capacity

Technical Description:

- This patent presents innovative 3D copper wires to lower electrical resistance and enhance current capacity.
- A bundle of intertwined lines with a special twist pattern optimizes charge movement, reducing electrical losses.



EMAT (Electron Mobility Acceleration Technology):

- Addresses low energy conversion in the PV industry.
- Focuses on accelerating free electrons within solar cell PN Junctions, advancing energy conversion efficiency.

Key EMAT Elements:

- Innovative Transmission System
- Magnetic Field Effects
- Mobility Enhancement Mechanism
- Series Resonance Arrangement



Product Identification: Solar Panel Efficiency Enhancement Device.

Key Features and Benefits: Enhances the efficiency of existing solar panels through easy installation.

Purpose and Innovation: A small yet innovative device for upgrading solar power systems.