



DI-ELECTRIC ANTI-ESD (ELECTROSTATIC DISCHARGE) FOIL

An innovative conductive mesh enabling flow of static charge in spacecraft solar panels, even during eclipse phase

Technological advantages

A simple, effective system

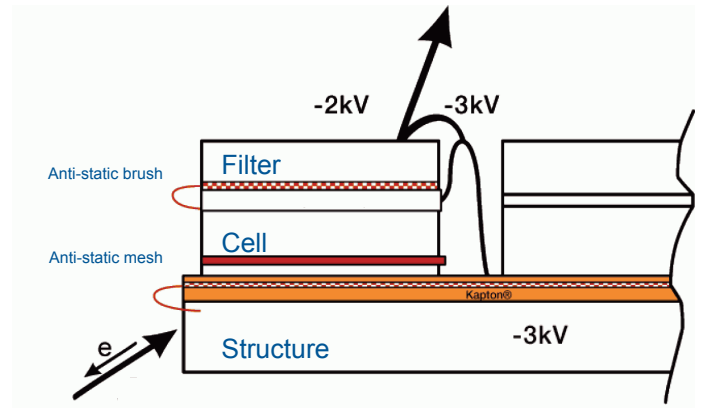
Mesh made of conducting element
Mesh is grounded using a standard process

A reliable product

Innovation based on processes that have already been qualified

Flexible technology

Modular mesh position
Mesh shape adapts to all systems
Standard dimensions ranging from mm to several cm



Sectional view of solar cell on honeycomb structure

Overview of invention

New method that solves electric insulation problem of epoxy bonding agent due to sudden change in temperature during eclipse

The system evacuates the accumulated charge on the layer of di-electric material beneath the cells, and reduces electrostatic risks when exiting eclipse

Potential applications

Satellite solar panels:

- Cover glass manufacturers
- Polyimide manufacturers

Commercial benefits

A system unlike any other on the market

Innovative product
Provides competitive edge

A sound investment

Low production costs
Simple construction
Reliable technology

Patented invention, available under license