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Methods and apparatus for mitigating space debris

Joseph A Resnick
RMANNCO, Inc., USA

New methods and apparatus comprising robust architectures capable of performing active or passive space debris collection/mitigation protocols are described. Systems for a solar-powered propulsion system used in combination with self-contained, remotely controlled space debris collection modules (SDCM's) with brake-sail apparatus to affect apsis of debris and particulates are discussed. Protocols for protection of installations, e.g., ISS, space hotel structures and space craft are advanced. New methods for employing detection/avoidance protocols and disclosure of newly-designed space debris collection modules ('SCDC's) for mitigating space debris in earth's atmosphere are disclosed.

Biography

Joseph A Resnick, PhD possesses lateral skill sets in biology, anatomy and physiology; medicine; electrical/mechanical engineering; robotics design; earth and space health systems-component design; defense security logistics/programs; low observable technologies <Stealth>; global/space communication systems architectures engineering for Military/Homeland strategic defense; Education.

rmannco.president@gmail.com