TECHNOLOGY LICENSING OPPORTUNITY

Extremely Low Resource Optical Identifier (ELROI)

This "license plate" for satellites helps solve the growing problem of space traffic management. ELROI is a simple, easy-to-fly, solar-powered beacon that can be attached to a satellite for tracking.

Key Advantages

- Ultra-Low SWaP-C
- Optical frequency
- High-confidence decoding of unique identifiers
- Can be added to any space object, including CubeSats
- Uses robust encoding schemes

Problems Solved

- Operates without RF emissions, making it ideal for use even after satellite deactivation
- Functions
 autonomously, activating
 and broadcasting
 without requiring power
 or communication from
 the host spacecraft

Market Applications

- Space Traffic Management
- Regulatory Compliance
- Mission Assurance
- End-of-Life Satellite Management
- Commercial Launch Services

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