



CRANE

Instrumentation Structure With Reduced Electromagnetic Radiation Reflectivity Or Interference Characteristics

Track Code: CRANE-99260

Categories:

- Electrical Engineering
- NSWC Crane

Keywords:

- Aeronautics
- Crane
- Electrical Engineering
- Electromagnetics
- Instrumentation
- Military

Many instrumentation structures that house sensors, such as infrared cameras, visible light cameras, laser range finders, and other types of optical devices, have problems dealing with undesired radar returns or electromagnetic radiation interference.

Naval Surface Warfare Center, Crane Division (NSWC Crane), has developed and patented an instrumentation structure with reduced electromagnetic radiation reflectivity or interference characteristics. This technology enables the use of instrument systems mitigating signal returns from the instrumentation structure, or interference with radio frequency systems, and system operators that receive undesirable radar returns off the instrumentation structure.

Advantages:

- Reduces electromagnetic radiation interference
- Reduces clutter or interference on an air traffic control system
- Compatible with airborne, ground based radar, and other electromagnetic radiation transmitter or receivers

Potential Applications:

- Military
- Aircraft
- Ground based systems

People:

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Intellectual Property:

Application Date: July 12, 2008

Type: Utility Patent

Country of Filing: United States

Patent Number: 8,149,153

Issue Date: April 3, 2012

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