Third Laureate

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Abstract:

The manufactured unit is comprised of two communication and one supply racks. Its features include:

- Acquisition of technical knowledge, localization, design and production of the new cystem, ability to improve and production of similar and more advanced systems.
- 100dB immunity against Outer electromagnetic radiation using electromagnetic absorbers.
- Taking advantage of modern design methods such as BIT in order to localize and revise test and amendment methods
- Designing 6.5GHz, -2Channel, Band C synthesizer with phase noise greater than 120-dBc/Hz in 10 KHz offset.
- DDS-based system with 70ppb frequency stability and greater than 100dB SFDR using OCXO and direct digital synthesis technology.
 - Significant decrease in electromagnetic leakage.
- Design and implementation of full-sine, 400Hz inverter to supply unbalanced and non-liner loads in compliance with approved standards and based on four legs active inverter

