1. OBEN – Abstract (for USPTO "Abstract" field)

Orion Belt Energy Network (OBEN) is a multi-rail blockchain ecosystem designed to support public, private, and sovereign (governmental) digital value systems on coordinated, interoperable rails. OBEN uses a global "supernode" topology with seven primary nodes mapped to the world's continents, including a central neutral vault node, and six outer nodes representing regional supernodes. Each rail (public, enterprise, sovereign) operates as an independent blockchain or layer but is bridged to the others under defined rules, enabling controlled value transfer and governance. The architecture is energy-aware and designed to be powered by advanced, high-efficiency energy systems, enabling nation-scale deployment. OBEN incorporates hybrid decentralization: technical consensus remains distributed, while optional neutral governance and policy rules can operate at the rail and bridge levels. The system is intended to promote global financial stability, reduce extreme inequality, and discourage malicious or destabilizing use.