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(57) Abstract :

Disclosed is a hybrid Septon renewable energy platform (100), which encompasses an approach to renewable energy generation from potential offshore sources. At the core of the system lies a central frame (102), strategically positioned at the centre of a triangular configuration. Surrounding this central frame are at least three hollow interconnected members (104A-C), each forming a vertex of the triangle and connected to the central frame via top and bottom connectors (108A-N and 110A-N, respectively). These interconnected members are characterized by a hollow cone frustum portion (114A-C) at their base, designed to facilitate the ingress of water and house bidirectional turbines (118A-C) that convert the kinetic energy of waves into power. Complementing this setup, the system includes one or more intermediate members (106A-N) on each side of the platform, each equipped with a torus (112A-N) capable of moving vertically to harness mechanical energy from ocean waves. <>

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