Single Power Takeoff for Multiple Source Energy Harvesting


THE CHALLENGE

Existing ocean energy converters can only convert one source of energy; either ocean waves, tidal streams, or marine current energy. Highly complex mechanisms to harvest energy from multiple sources is expensive and also low efficiency.

OUR SOLUTION

Lei Zuo and Robert Parker have created a singular energy harvesting device for converting the energy from ocean wave, ocean current, and tidal stream into electricity. It is developed on their award winning mechanical motion rectifier (MMR) based power takeoff that converts oscillatory wave motion into unidirectional rotation.

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