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Fully Enclosed Multi-Axis Inertial Reaction Mechanisms for Wave Energy Conversion

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1 Highlights

- 2 • A novel concept for wave energy conversion, using enclosed internal body mecha-
3 nism configurations.
- 4 • Dynamically, the internal body is equivalent to a vertical physical pendulum.
- 5 • Physically, the internal body performs like a translating mass.
- 6 • The linear motion of the suspended bodys center of mass, enables a simple form of
7 a Power Take-Off design.
- 8 • Optimization of the design ensures minimization of the suspended mass.
- 9 • The concepts flexibility, enables implementation in any form of floating vessels.

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