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Title: Patent agency for underwater energy storage system

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According to some embodiments of the present invention, the underwater energy storage system includes features for submerging and anchoring the storage system underwater.

According to some embodiments of the present invention, the underwater energy storage system is an adiabatic storage system including features for storing heat produced during compression...

Briefly, the concept is to store mechanical potential energy by pumping water from a reservoir at one level to a reservoir at a higher level, using surplus electrical power to drive a pump.

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According to some embodiments of the present invention, the underwater energy storage system includes feature for cooling compressed air as it flows from a compressor to a storage tank of the ...

storing and retrieving potential energy, the present UW - ES allows to provide a compact wind turbine system combined system is able to take advantage of the hydrostatic pressure, 65 with an ...

[0006] It is an object of the present invention to provide at least an alternative underwater energy storage system, which provides improvements over known underwater energy storage systems.

Compressed air energy storage is a way to store energy generated during periods of low energy demand for use during periods of high energy demands. It has been proposed to store compressed ...

Reference is now made to FIG. 13 illustrating a simplified schematic drawing of an exemplary underwater energy storage system including a flexible compressed energy storage container...



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