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Title: Compressed air energy storage system patent

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Preferably the internal combustion reciprocating engine is operated at high pressure and a low pressure turbine and compressor are also employed for air compression and power generation. Ahrens, ...

The present invention concerns a system for storing energy in the form of compressed air, having an assembly of connected tubes forming a storage volume; which is confined in a pressure-resistant ...

Energy Storage Patent via line 116 from the heat exchanger 114. The cooled compressed air may be stored or otherwise maintained with th of a compressed a rage system consists of a diabatic system. ...

Patent Document 1 discloses an adiabatic compressed air energy storage (ACAES) power generation device that recovers heat from compressed air before storing the compressed air ...

CROSS-REFERENCE TO RELATED APPLICATION This application claims priority to U.S. Provisional Patent Application Ser. No. 62/792,708 filed Jan. 15, 2019, and entitled A ...

Expansion of the compressed air can turn an expansion turbine and produce electricity. This technology and methods for its use have been granted U.S. Patent No. 10,415,469 B2 (September 17, 2019), ...

A hybrid compressed air/water energy storage system is described. The system includes a series of water containers and a plurality of inflatable bladders held within each container.

A compressed air energy storage (CAES) system utilizes compressed air stored in a cavity for electric power and cold production. During periods of excess power production, atmospheric air...

WO2023228938 - COMPRESSED AIR ENERGY STORAGE METHOD. [Problem] To provide an economical compressed air energy storage (CAES) method for effectively utilizing the ...



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This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Compressed air energy storage-related invention patents and utility ...

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