Energy storage and regeneration

Abstract:Liquid air energy storage (LAES) is one of the most promising technologies for power generation and storage, enabling power generation during peak hours. This article presents ...

Thermochemical energy storage concept with sorption or composite materials is presented. New regeneration strategy for thermochemical energy stores at lower temperature ...

Abstract Compressing air from atmospheric pressure into high pressure storage and expanding the compressed air in reverse is a means of energy storage and regeneration for fluid power ...

We describe the preliminary optimal design of an electromechanical above-knee active prosthesis with energy storage and regeneration. A DC motor-generator applies a positive or negative ...

This paper investigates the performance of liquid desiccant regeneration system integrated with thermal energy storage and driven by industrial waste heat employing phase ...

The second is to develop batteries/accumulators and energy storage systems to meet machine capacity, such as battery systems with suficient capacity to serve efective work for forklifts ...

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