

Title (en)

System for thermal storage of a great quantity of energy and its use in a short period on a ship

Title (de)

Thermisches Speichersystem für eine grosse Energiemenge und seine kurzzeitige Verwendung auf einem Schiff

Title (fr)

Système de stockage thermique d'une grande quantité d'énergie et son utilisation dans une tres courte durée sur un navire

Publication

EP 1361341 B1 20080702 (FR)

Application

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Priority

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Abstract (en)

[origin: EP1361341A1] The large quantity energy storage system short period freeing energy has a principal cylinder (3) containing a large quantity of liquid such as water. A heat exchanger (4) in the cylinder is fed with hot exhaust gas from a thermodynamic machine such as a gas turbine. The water is stored at high pressure between 220-400 bar and at a temperature of about 600 degrees C. The stored water can be used to quickly power a hydrojet.

IPC 8 full level

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