

Title (en)

Thermodynamic power plant and method of operating the same.

Title (de)

Thermodynamische Kraftanlage und Verfahren zu deren Betrieb.

Title (fr)

Système thermodynamique de production de puissance et procédé pour son fonctionnement.

Publication

EP 0026676 A2 19810408 (EN)

Application

EP 80303463 A 19801001

Priority

ZA 795212 A 19791001

Abstract (en)

A method of operating a closed cycle power plant and also a closed cycle power plant including a closed cycle power plant including heating means (A); a thermodynamic prime mover (B); a cooling chamber in and/or round the prime mover (B); electric generating means (C) drivingly coupled to the prime mover (B); a cooling chamber (11, 12) in and/or round the generating means (C); condenser means (E); cooling means (F); a first fluid line or circuit (1) extending from an outlet (2) from the cooling chamber of the prime mover (B) through the heating means (A) and communicating with a high pressure inlet (3) into the prime mover (B); a second fluid line or circuit (4) extending from a low pressure outlet (5) from the prime mover (B) through the condenser means (E) and communicating with an inlet (b) into the cooling chamber of the prime mover (B); a third fluid line or circuit (7) branching off from the second fluid line or circuit (4) downstream of the condenser means (E) and communicating with the cooling means (F); and a fourth fluid line or circuit (10) extending from the cooling means (F) to the cooling chamber (11,12) of the generating means (C) and from there to the first fluid line or circuit (1) in a position between the heating means (A) and the prime mover (B); and means (13) operative to introduce fluid from the fourth fluid line or circuit (10) into the first fluid line or circuit (1).

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