

Title (en)

Apparatus for the conversion of electric energy into thermal energy.

Title (de)

Gerät zum Umsetzen von elektrischer Energie in thermische Energie.

Title (fr)

Appareil pour la conversion d'énergie électrique en énergie thermique.

Publication

EP 0149057 A1 19850724 (FR)

Application

EP 84114054 A 19841121

Priority

CH 647683 A 19831202

Abstract (en)

1. Apparatus used to convert electric power into thermic power, characterized by the fact it includes an isolated dewar (1) filled up with a diathermic heat-conveying fluid (2) in which a first electric engine (3) is immersed as well as a first hydraulic pump (4) which works with the aforesaid engine and the inflow and outflow pipes of which are also immersed in the heat-conveying fluid, the outflow pipe of the aforesaid pump being equipped with means of reducing the outflow, and by the fact that these means of reducing the outflow consist of a second hydraulic pump (24) the inflow pipe (22) of which is connected to the aforesaid outflow pipe (6) of the first pump (4), the second pump (24) being associated with a second electric engine (23), and this second pump and this second engine being immersed in the heat-conveying fluid and characterized by smaller dimensions as compared to the first pump and the first engine respectively.

Abstract (fr)

La présente invention concerne un appareillage pour la conversion d'énergie électrique en énergie thermique comportant une enceinte (1) isolée thermiquement remplie d'un fluide caloporteur diathermique (2). Dans ce fluide sont immergés un moteur électrique (3) et une pompe hydraulique (4) actionnée par celui-ci, les conduites d'aspiration (5) et de refoulement (6) de la pompe étant également immergées dans ledit fluide; de plus, la conduite de refoulement est munie de moyens de réduction (9) du flux de refoulement. Cet appareillage est utilisable pour le chauffage de locaux ou pour la production d'eau chaude sanitaire.

IPC 1-7

F24H 1/00; **F24D 7/00**

IPC 8 full level

F24D 7/00 (2006.01); **F24H 1/00** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [A] FR 1101962 A 19551012
- [A] EP 0067928 A2 19821229 - KLOECKNER HUMBOLDT DEUTZ AG [DE]

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