

Title (en)

THERMODYNAMIC SYSTEM EMPLOYING A DEVICE FOR PRODUCING HEAT BY PASSING A FLUID AT PRESSURE THROUGH A PLURALITY OF TUBES

Title (de)

THERMODYNAMISCHES SYSTEM MIT VORRICHTUNG ZUR ERZEUGUNG VON WÄRME DURCH HINDURCHLEITEN EINES UNTER DRUCK STEHENDEN FLUIDS DURCH MEHRERE ROHRE

Title (fr)

SYSTÈME THERMODYNAMIQUE METTANT EN OEUVRE UN DISPOSITIF DE PRODUCTION DE CHALEUR PAR CIRCULATION D'UN FLUIDE SOUS PRESSION À TRAVERS UNE PLURALITÉ DE TUBULURES

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Application

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Abstract (en)

[origin: WO2009004124A1] This invention relates to a device (5) for the secondary production of heat intended to be fitted to a closed-circuit thermodynamic system combining primary means (1) for the production of heat by compression of a fluid, with a heat exchanger (2), these being connected together by a fluid flow channel (3). This device (5) consists primarily of a plurality of elementary channels (8, 9) interposed between an inlet chamber (11) and an outlet chamber (13), each of these chambers (11, 13) having an inlet duct (10) and an outlet duct (12), respectively, said ducts being coaxial and their respective main cross sections being identical and corresponding to the sum of the sections of the elementary channels (8, 9).

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