

Title (en)

Apparatus and Method for Implementing a Thermodynamic Cycle

Title (de)

Vorrichtung und Verfahren für die Realisierung eines thermodynamischen Prozesses

Title (fr)

Dispositif et procédé pour la réalisation d'un cycle thermodynamique

Publication

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Application

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Abstract (en)

[origin: WO2006019937A1] A heat transfer system includes a power sub-system configured to receive a heat source stream, and one or more heat exchangers configured to transfer heat from the heat source stream to a working stream. The working stream is ultimately heated to a point where it can be passed through one or more turbines, to generate power, while the heat source stream is, cooled to a low temperature tail. A distillation condensation sub-system cools the spent stream to generate an intermediate stream and a working stream. The working stream can be variably heated by the intermediate stream so that it is at a sufficient temperature to make efficient use of the low temperature tail. The working stream is, then heated by the low temperature tail, and subsequently passed on for use in the power sub-system.

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