

Title (en)
EFFICIENT CONVERSION OF HEAT TO USEFUL ENERGY

Title (de)
EFFIZIENTE UMWANDLUNG VON WÄRME IN NUTZENERGIE

Title (fr)
CONVERSION DE CHALEUR EN ENERGIE UTILE

Publication
EP 1769138 A4 20120815 (EN)

Application
EP 05771499 A 20050714

Priority

- US 2005025033 W 20050714
- AU 2004903961 A 20040719
- AU 2005203045 A 20050713

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.

IPC 8 full level
F01K 25/06 (2006.01)

CPC (source: EP)
F01K 25/065 (2013.01)

Citation (search report)

- [X] EP 0193184 A1 19860903 - KALINA ALEXANDER IFAEVICH
- [X] US 5950433 A 19990914 - KALINA ALEXANDER I [US]
- See references of WO 2006019937A1

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