

Title (en)
STIRLING MACHINE

Publication
EP 0218554 B1 19890208 (FR)

Application
EP 86810429 A 19860930

Priority
CH 432585 A 19851007

Abstract (en)
[origin: US4717405A] A Stirling-cycle assembly comprises an engine with a displacer piston mounted in a cylinder and defining a compression compartment and an expansion compartment respectively of a gaseous working fluid. These compartments communicate via a heat exchanger associated with a hot source, a regenerator and a heat exchanger associated with a heat sink. The engine is coupled to a heat pump having the same structure, via a resonance tube acting as an oscillatory drive member. The displacer piston of the heat pump is associated with a return means, e.g. a rod mounted in sealing-tight relationship in a closed chamber disposed on the compression compartment side.

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F02G 1/043; **F25B 9/00**

IPC 8 full level
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CPC (source: EP US)
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Cited by
EP1043491A1; EP0625683A1; US5481878A; US9109533B2; US6510689B2; WO2011123961A1; WO0061936A1; EP0238707B1

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