

Title (en)
HEAT ENGINE

Publication
EP 0188742 A3 19880803 (DE)

Application
EP 85115980 A 19851214

Priority
• DE 3502363 A 19850125
• DE 3508689 A 19850312

Abstract (en)
[origin: US4631922A] In the case of a heat engine, in particular a Stirling engine, comprising a displacement piston and a working piston which are coupled together in a housing sealed in a leak-proof manner against the outside so that they can oscillate in a linear direction, in which case the gas space between the displacement piston and the working piston is connected to the gas space between the displacement piston and the housing by way of a heater, a cooler and a regenerator arrangement to which an external source of heat may be connected, in order to make possible the take-off of mechanical energy from the closed housing for external use, provision is made for one magnetic or magnetizable coupling device (9, 15) located within the housing (1) to be connected at least with the working piston (2) and there is also a corresponding magnetic or magnetizable coupling device (8, 18) outside the housing (1) which is movably mounted in parallel with the piston travel.

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F02G 1/043; **F02G 1/045**

IPC 8 full level
F02G 1/04 (2006.01); **F02G 1/043** (2006.01); **F02G 1/045** (2006.01)

CPC (source: EP US)
F02G 1/04 (2013.01 - EP US); **F02G 1/0435** (2013.01 - EP US); **F02G 1/045** (2013.01 - EP US); **F02G 2243/02** (2013.01 - EP US); **F02G 2270/85** (2013.01 - EP US)

Citation (search report)
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• [A] US 4413474 A 19831108 - MOSCRIP WILLIAM M [US]
• [A] PATENT ABSTRACTS OF JAPAN, Band 6, Nr. 184 (M-157)[1062], 21. September 1982; & JP - A - 57 91349 (MITSUBISHI) 07.06.1982
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Designated contracting state (EPC)
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EP 0188742 A2 19860730; **EP 0188742 A3 19880803**; CN 1005346 B 19891004; CN 86100467 A 19860723; JP H086641 B2 19960129; JP S61207863 A 19860916; KR 860005961 A 19860816; KR 940000338 B1 19940117; SU 1403992 A3 19880615; US 4631922 A 19861230

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EP 85115980 A 19851214; CN 86100467 A 19860121; JP 1229886 A 19860124; KR 860000118 A 19860110; SU 4008371 A 19860121; US 81842886 A 19860113