

Title (en)
HEAT ENGINE

Title (de)
WÄRMEKRAFTMASCHINE

Title (fr)
MOTEUR THERMIQUE

Publication
EP 2668374 A2 20131204 (DE)

Application
EP 12703950 A 20120105

Priority
• AT 1172011 A 20110128
• AT 2012050001 W 20120105

Abstract (en)
[origin: WO2012100275A2] Heat engine (1) having at least two cylinder/piston units (2-5) which in each case contain an expansion fluid (8) under a charging pressure, a device (16-20) for the individually controllable heat supply to the expansion fluid (8) of each cylinder/piston unit (2-5), and a control device (21) which controls the heat supply device (16-20), wherein the pistons (7) of the cylinder/piston units (2-5) are loaded by a common charging fluid (9), the charging fluid (8) is guided from the cylinder/piston units (2-5) via first non-return valves (12') to an inlet (11') and via second non-return valves (12'') which are directed in the opposite direction to an outlet (11'') of a hydraulic load (10), the control device (21) is equipped with a first pressure gauge (22') for the pressure (p2) of the charging fluid (9) at the outlet (11'') of the load (10), and the control device (21) controls the heating and cooling phases of the heat supply device (16-20) at least depending on the measured outlet pressure (p2), in order to keep said pressure within a predetermined first range (P2,min, P2,max).

IPC 8 full level
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CPC (source: EP)
F01K 13/02 (2013.01); **F01K 25/103** (2013.01); **F01K 27/005** (2013.01)

Citation (search report)
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Cited by
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