

Title (en)  
HEAT ENGINE

Title (de)  
WÄRMEKRAFTMASCHINE

Title (fr)  
MOTEUR THERMIQUE

Publication  
**EP 2668374 B1 20150729 (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  
**F01B 21/02** (2006.01); **F01B 25/00** (2006.01); **F01K 11/04** (2006.01); **F01K 13/02** (2006.01); **F01K 25/02** (2006.01); **F01K 25/10** (2006.01); **F01K 27/00** (2006.01)

CPC (source: EP)  
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Cited by  
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DOCDB simple family (publication)  
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