

Title (en)
HEAT ENGINE

Title (de)
WÄRMEKRAFTMASCHINE

Title (fr)
MOTEUR THERMIQUE

Publication
EP 2209979 A2 20100728 (DE)

Application
EP 08838950 A 20081010

Priority
• EP 2008008445 W 20081010
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Abstract (en)
[origin: WO2009049794A2] The invention relates to a heat engine, in which four oscillating pistons which lie at a right angle to one another are arranged in four cylinders. The pistons and the cylinders are of wedge-shaped configuration and have the shape of a cone section. Here, the pistons rest with their lower tip on a piston bearing. The four cylinders are connected to one another by means of channels; compression chamber to displacement chamber and displacement chamber to compression chamber. The crank rotates in this method of operation counter to the gas flow. The invention is applied in the stationary area, preferably in order to generate electricity and heat decentrally in the context of power/heat cogeneration with the use of renewable resources. It is to be possible, inter alia, to also use the heat engine according to the invention for the low and medium temperature range and to make few demands of the quality of the fuels.

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F02G 1/044 (2006.01)

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