

Title (en)
Thermal engine

Title (de)
Wärmekraftmaschine

Title (fr)
Moteur thermique

Publication
EP 2273093 B1 20130828 (DE)

Application
EP 10164742 A 20100602

Priority
• CH 9062009 A 20090611
• CH 16082009 A 20091021

Abstract (en)
[origin: EP2273093A1] The piston (3) has a piston head fixed in a segmented and/or slotted manner with an enlarged contact surface with respect to a working piston (7) between the piston and a working medium i.e. air. Thermal energy is emitted from the piston to the working medium. The working piston and the piston are mechanically coupled with each other. A set of longitudinal slots is formed in the piston head, where through-flow of the working medium is achieved through the piston head out of a region of a heat exchanger in a direction of a piston pin. An independent claim is also included for a thermal engine provided with a driven flywheel or a crankshaft having a closed total interior to be filled with a working medium and closed in a pressure-tight manner, comprising a heat exchanger connected with a working chamber and a heat transmission chamber.

IPC 8 full level
F02G 1/044 (2006.01); **F02F 3/28** (2006.01)

CPC (source: EP US)
F02G 1/044 (2013.01 - EP US); **F02G 2243/34** (2013.01 - EP US); **F02G 2270/30** (2013.01 - EP US)

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EP 10164742 A 20100602; CH 16082009 A 20091021; EA 201000806 A 20100610; HK 11107104 A 20110711; US 81339710 A 20100610