Title (en)

METHOD AND DEVICE FOR CONVERTING HEAT ENERGY INTO MECHANICAL ENERGY

Title (de)

VERFAHREN UND EINRICHTUNG ZUR UMWANDLUNG VON WÄRMEENERGIE IN MECHANISCHE ENERGIE

Title (fr)

PROCEDE ET DISPOSITIF POUR TRANSFORMER DE L'ENERGIE THERMIQUE EN ENERGIE MECANIQUE

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Application

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Abstract (en)

[origin: WO2004088114A1] The invention relates to a method for converting heat energy into mechanical energy by modifying the volume, pressure and temperature of a working medium, wherein the working medium in the first stage (1) is suctioned and the volume of said first stage (1) is increased, whereupon it is converted into a second stage (2) when the volume of the first stage (1) is reduced and the volume of the second stage is increased, whereupon the working medium is converted into a fourth stage (4) via a third stage (3) wherein the volume of the second stage (2) is reduced, heat is also supplied and the volume of the fourth stage (4) is increased, whereupon the working medium is converted into a fifth stage (5) from the fourth stage (4) wherein the volume thereof is reduced and in the fifth stage (5) the volume of said fifth stage is expanded. The inventive method discloses a thermodynamic cycle process comprising five cycles. The invention also relates to a device for carrying out said method.

IPC 8 full level

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