

Title (en)

METHOD AND DEVICE FOR CONVERTING THERMAL ENERGY INTO KINETIC ENERGY

Title (de)

VERFAHREN UND EINRICHTUNG ZUR UMWANDLUNG VON WÄRMEENERGIE IN KINETISCHE ENERGIE

Title (fr)

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

Publication

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Application

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Abstract (en)

[origin: WO03102403A1] The invention relates to a method and a device for converting thermal energy into kinetic energy, in which a working medium undergoes changes in the state thereof in at least one working space that is separated by means of a displacing element. The working medium flows back and forth between at least two closed working spaces (1, 2). The working medium is directed between the working spaces (1, 2) via a working machine (12) so as to deliver effective work. The working medium then flows from one side of the displacing element (3, 4) to the other side thereof via the regenerator (6, 7) by means of the displacing element (3, 4). The flow of the working medium is controlled via control members, particularly valves (13, 23, 24, 25, 26) while each displacing element (3, 4) is moved via a drive unit (5).

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