

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

EP 1509690 A1 20050302 (DE)

Application

EP 03735135 A 20030602

Priority

- AT 0300160 W 20030602
- AT 8432002 A 20020603
- AT 7672003 A 20030519

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).

IPC 1-7

F02G 1/043

IPC 8 full level

F02G 1/044 (2006.01); **F02G 1/043** (2006.01); **F02G 1/05** (2006.01); **F02G 1/057** (2006.01)

CPC (source: EP)

F02G 1/043 (2013.01)

Citation (search report)

See references of WO 03102403A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 03102403 A1 20031211; AT 500641 A1 20060215; AT 500641 B1 20060815; AT 500641 B8 20070215; AU 2003237553 A1 20031219; CA 2488241 A1 20031211; CN 1659371 A 20050824; DE 50301321 D1 20051110; DK 1509690 T3 20060130; EP 1509690 A1 20050302; EP 1509690 B1 20051005; JP 2005531708 A 20051020; MX PA04012100 A 20050921

DOCDB simple family (application)

AT 0300160 W 20030602; AT 7672003 A 20030519; AU 2003237553 A 20030602; CA 2488241 A 20030602; CN 03812774 A 20030602; DE 50301321 T 20030602; DK 03735135 T 20030602; EP 03735135 A 20030602; JP 2004509264 A 20030602; MX PA04012100 A 20030602