

Title (en)

METHOD AND DEVICE FOR PRODUCING MECHANICAL ENERGY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG MECHANISCHER ENERGIE

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DE L'ENERGIE MECANIQUE

Publication

EP 1915515 A2 20080430 (DE)

Application

EP 06742365 A 20060522

Priority

- DE 2006000884 W 20060522
- DE 102005025255 A 20050602
- DE 102006021928 A 20060511

Abstract (en)

[origin: WO2006128423A2] The aim of the invention is to provide a method and device for producing mechanical energy by means of a rotating heat engine (1) which requires less thermal energy in order to guarantee a thermodynamic cycle and in order to perform usable mechanical work. This aim is substantially attained by using a first liquid working medium (6) and at least one additional liquid working medium (7). The at least one additional working medium (7) has a lower boiling point than the first. When it is combined with the first working medium (6) that is enriched with thermal energy, it changes to a gaseous state or expands and produces an excess pressure and performs work in such a manner that a torque is applied to the rotating element (3; 3.1-3.6) of the heat engine (1).

IPC 8 full level

F01K 25/06 (2006.01)

CPC (source: EP US)

F01K 25/04 (2013.01 - EP US); **F01K 25/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2006128423A2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

WO 2006128423 A2 20061207; **WO 2006128423 A3 20080410**; DE 102006021928 A1 20071115; EP 1915515 A2 20080430; US 2008128188 A1 20080605

DOCDB simple family (application)

DE 2006000884 W 20060522; DE 102006021928 A 20060511; EP 06742365 A 20060522; US 94903107 A 20071201