

Title (en)

Heat dissipation device for dissipating the heat of a sparkplug housing of a spark plug

Title (de)

Wärmeleitvorrichtung zur Ableitung von Wärme eines Zündkerzengehäuses einer Zündkerze

Title (fr)

Dispositif thermoconducteur destiné à dévier la chaleur d'un culot métallique de bougie d'allumage

Publication

EP 2607681 A2 20130626 (DE)

Application

EP 12008099 A 20121204

Priority

AT 18812011 A 20111223

Abstract (en)

The heat conducting device (1) has a heat conducting medium (4) which comprises a Poisson's ratio greater than 0.35, preferably greater than 0.4, more preferably 0.5. The heat conducting medium comprises a thermally conductive elastomer. A deformable wall (5) made of elastic surrounds the heat conducting medium. A compression spring is arranged in the wall defined interior space (7). An independent claim is included for spark plug.

Abstract (de)

Wärmeleitvorrichtung (1) zur Ableitung von Wärme eines Zündkerzengehäuses (2) einer Zündkerze (3), insbesondere Laserzündkerze, einer Brennkraftmaschine, insbesondere eines stationären Gasmotors, wobei die Wärmeleitvorrichtung (1) zumindest teilweise verformbar, vorzugsweise elastisch verformbar, und im Wesentlichen inkompressibel ist.

IPC 8 full level

F02P 23/04 (2006.01); **H01T 13/16** (2006.01)

CPC (source: EP)

F02P 23/04 (2013.01); **H01T 13/16** (2013.01)

Cited by

CN103986064A; DE102013021547A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2607681 A2 20130626; AT 512038 A4 20130515; AT 512038 B1 20130515

DOCDB simple family (application)

EP 12008099 A 20121204; AT 18812011 A 20111223