Title (en)
  Gap sealing element for a heat shield

Title (de)
  Spaltdichtelement für einen Hitzeschild

Title (fr)
  Elément d'étanchéité d'une fente pour un bouclier thermique

Publication
  EP 1591724 A1 20051102 (DE)

Application
  EP 04010306 A 20040430

Priority
  EP 04010306 A 20040430

Abstract (en)
  The seal (10) includes a resilient section (14) for ensuring that it remains press-fitted inside the gap. The resilient section is curved. An independent claim is also included for a heat shield mounted on a support structure (20) and comprising a number of sections (16) separated by gaps containing these seals.

Abstract (de)
  Ein erfindungsgemäßes Spaltdichtelement (10) zum Abdichten von Spalten zwischen benachbarten Hitzeschildelementen (16) umfasst mindestens einen federelastischen Abschnitt (14), welcher derart zum Ausüben einer Federkraft ausgestaltet ist, dass das in einen Spalt zwischen benachbarten Hitzeschildelementen (16) eingesetzte Spaltdichtelement (10) mittels Klemmsitz im Spalt gehalten wird. <IMAGE>

IPC 1-7
  F23R 3/00

IPC 8 full level
  F23M 5/04 (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP)
  F23M 5/04 (2013.01); **F23R 3/007** (2013.01); F23M 2900/05005 (2013.01); F23R 2900/00012 (2013.01)

Citation (applicant)
  • EP 1302723 A1 20030416 - SIEMENS AG [DE]
  • EP 1260767 A1 20021127 - SIEMENS AG [DE]
  • EP 1022437 A1 20000726 - SIEMENS AG [DE]

Citation (search report)
  • [X] EP 1260767 A1 20021127 - SIEMENS AG [DE]
  • [X] EP 1022437 A1 20000726 - SIEMENS AG [DE]
  • [A] US 2003012643 A1 20030116 - TIEMANN PETER [DE]
  • [A] EP 1191285 A1 20020327 - SIEMENS AG [DE]

Cited by
  US2016131362A1; US2016238247A1; DE102019200593A1; EP3039269A4; US11408609B2; US10451279B2; CN113124419A; US10330318B2; DE102019204746A1; EP2354660A3; EP3101344A1; US11821629B2; US10101029B2; WO2020148045A1; WO2015031763A1; US9988923B2

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
  EP 1591724 A1 20051102; **EP 1591724 B1 20110629**; AT E514905 T1 20110715

DOCDB simple family (application)
  EP 04010306 A 20040430; AT 04010306 T 20040430