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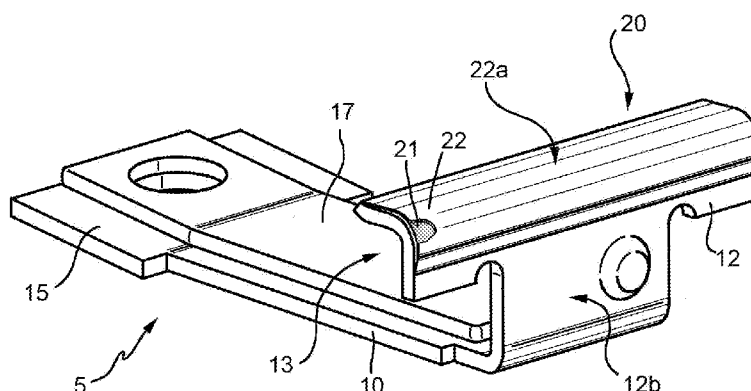


FIG. 4

(57) Abstract: A supporting member for thermoinsulating tiles of gas turbine combustion chambers comprises an elongated plate (10), having a coupling head (12) at a first end, the coupling head (12) being structured to couple with a thermoinsulating tile (4) and having an inner coupling surface (12a) and an outer surface (12b). The outer surface (12b) of the coupling head (12) is at least partly coated with a protective coating (20).

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. F23M5/04 F23R3/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F23M F23R C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 701 095 A1 (SIEMENS AG [DE]) 13 September 2006 (2006-09-13)	1,3-7, 11-13
Y	paragraphs [0001], [0002]; figures 1-4 paragraph [0017] paragraph [0036] - paragraph [0039] paragraph [0046]	2,9,10
A	----- EP 1 473 378 A1 (GEN ELECTRIC [US]) 3 November 2004 (2004-11-03) paragraphs [0001] - [0004]	1-8
A	----- US 2004/033158 A1 (CHIBA AKIHIKO [JP] ET AL) 19 February 2004 (2004-02-19) paragraphs [0002], [0004], [0005] paragraph [0012] - paragraph [0015] ----- -/--	1,7,8



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International application No.
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2015/059979

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 273 712 A (CZECH NORBERT [DE] ET AL) 28 December 1993 (1993-12-28) column 1, line 11 - line 24 column 2, line 47 - column 3, line 6 -----	2
Y	EP 1 715 248 A1 (SIEMENS AG [DE]) 25 October 2006 (2006-10-25) paragraphs [0001], [0002]; figures 1-11 paragraph [0009] paragraph [0018] - paragraph [0031] paragraph [0033] -----	9,10
A	DE 23 55 674 A1 (ROLLS ROYCE 1971 LTD) 16 May 1974 (1974-05-16) page 1, line 1 - line 16; claim 1 page 3, line 14 - line 24 page 7, line 1 - line 10 page 9, line 2 - line 5 -----	2
A	US 4 419 416 A (GUPTA DINESH K [US] ET AL) 6 December 1983 (1983-12-06) column 1, line 6 - line 10; claim 1 tables 1, 2 -----	2

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8, 11-13

Supporting member for tiles of a gas turbine combustor comprising an elongated plate and a coupling head of a gamma phase precipitation hardening nickel alloy with a protective metal layer made of (Ni / Co)CrAlY and a thermal barrier layer of ceramic material; the layered materials of the coupling head, the metal layer and the thermal barrier layer being of a specific composition.

2. claims: 9, 10

Supporting member for tiles of a gas turbine combustor comprising an elongated plate and a coupling head of a gamma phase precipitation hardening nickel alloy with a protective metal layer made of (Ni / Co)CrAlY and a thermal barrier layer of ceramic material; the supporting member comprising a leaf spring

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2015/059979

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