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(54) **Title:** COOLING AN APERTURE BODY OF A COMBUSTOR WALL

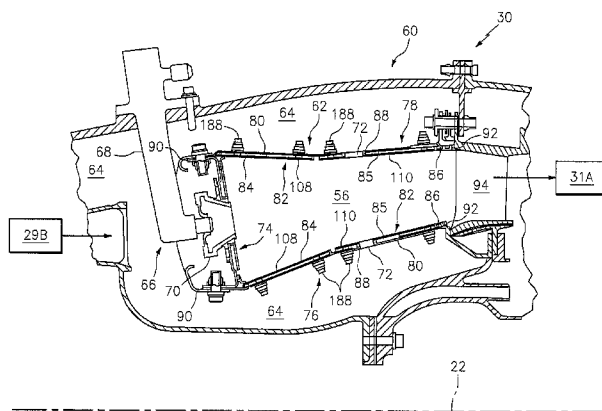


FIG. 2

(57) **Abstract:** An assembly is provided for a turbine engine. This turbine engine assembly includes a combustor wall, which includes a shell, a heat shield and an annular body. The body at least partially defines a first aperture through the shell and the heat shield. The body also defines one or more second apertures through which air is directed into the first aperture and provides non-uniform cooling to the body.



**A. CLASSIFICATION OF SUBJECT MATTER****F23M 5/08(2006.01)i, F23R 3/42(2006.01)i, F02C 7/16(2006.01)i**

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 5/08; F02C 7/12; F23R 3/00; F02C 9/00; F23R 3/42; B21D 53/00; F02C 7/16Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean utility models and applications for utility models  
Japanese utility models and applications for utility modelsElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
eKOMPASS(KIPO internal) & Keywords: turbine engine, combustor, heat shield, shell, dilution passage, grommet, aperture, outlet passage**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2013-0255269 A1 (MCKENZIE et al.) 03 October 2013 See abstract; paragraphs [0034]-[0040]; and figures 1-5.	1-20
Y	US 2003-0182942 A1 (GERENDAS, MIKLOS) 02 October 2003 See abstract; paragraphs [0026], [0028], [0030]-[0031]; and figures 1, 3a-4c.	1-20
Y	US 2012-0297778 A1 (RUDRAPATNA et al.) 29 November 2012 See abstract; paragraphs [0031], [0033], [0047], [0050]-[0053]; and figures 1-3, 10-13.	11
Y	US 2013-0025288 A1 (CUNHA et al.) 31 January 2013 See abstract; paragraphs [0031]-[0032], [0038]; and figures 2-4, 14-15.	13
A	US 2002-0189260 A1 (DAVID et al.) 19 December 2002 See abstract; paragraphs [0022], [0027]-[0036]; and figures 1-3.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"&amp;" document member of the same patent family


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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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