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(54) **Title:** TURBINE SEGMENTED COVER PLATE RETENTION METHOD

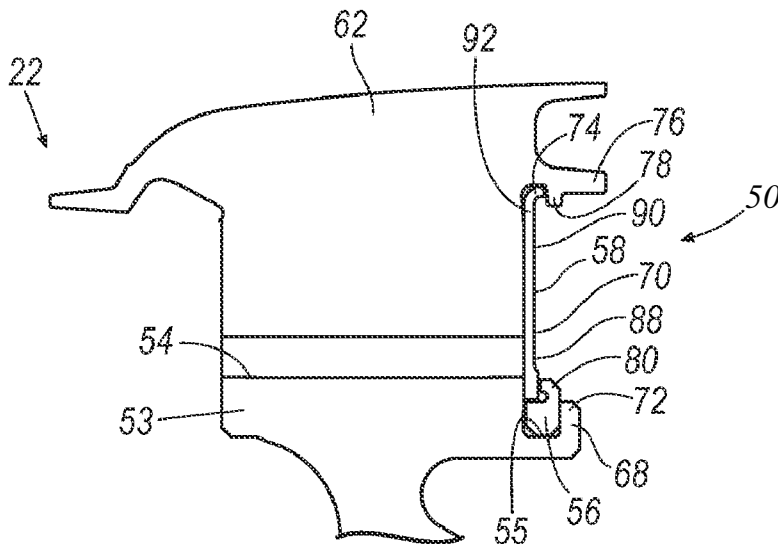


FIG. 4

(57) **Abstract:** An improved gas turbine cover plate assembly is disclosed for use in connection with segmented cover plates in turbine configurations where it is not possible to stagger the blades to create assembly clearance. The improved turbine assembly also avoids cover plate loading slots in the disc which can cause high stress features. The improved system also includes a method to axially retain segmented cover plates in relation to a turbine disc using a segmented retainer ring.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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 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)
 F01D

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)
 EPO-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	US 5 622 475 A (HAYNER DENIS R [US] ET AL) 22 April 1997 (1997-04-22) abstract; figures 2-4 -----	1-20
X	GB 2 268 979 A (SNECMA [FR]) 26 January 1994 (1994-01-26) abstract; figures 2,3,5,7 -----	11-20
A	US 2004/062643 A1 (BRAUER JOHN CHRISTOPHER [US] ET AL) 1 April 2004 (2004-04-01) abstract; figure 1 -----	1-20
A	EP 1 498 579 A1 (SNECMA MOTEURS [FR]) 19 January 2005 (2005-01-19) abstract; figures 3-6 -----	1-20

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

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Information on patent family members

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