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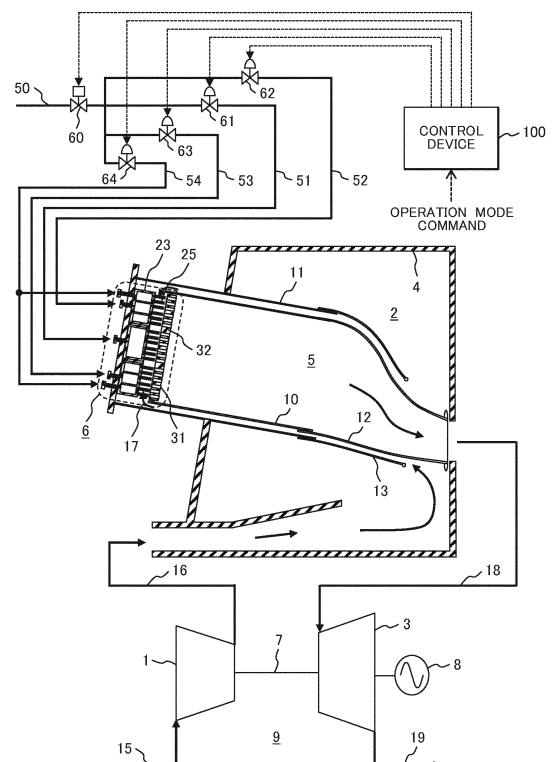
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(54) **Gas turbine combustor and operating method thereof**

(57) A gas turbine combustor has a chamber supplied with fuel (50) and air (16) and a multi-burner (6) having a plurality of burners provided with an air hole plate (31) having a plurality of air holes (32), and fuel nozzles (25) for supplying fuel (50) to the air holes (32) in the air hole plate (31); the multi-burner (6) is made up of a center burner (33) disposed in the center and a plurality of outer burners (37) around the center burner (33), the outer burners (37) are divided into inner fuel nozzles (25) and outer fuel nozzles (25) to separately supply fuel through fuel systems (51 - 54), and the fuel (50) is supplied to the fuel nozzles (25) in the center burner (33) or to the fuel nozzles (25) in the center burner (33) and the inner fuel nozzles (25) in the outer burners (37) disposed around the center burner (33) in a partial load condition in which the load is lower than that of when all the fuel systems (51 - 54) are used to supply fuel (50).

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 13 15 2511

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 9 October 2017	Examiner Mendão, João
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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