

Title (en)

A gas turbine with a catalytic combustor and method of operating such a gas turbine

Title (de)

Gasturbine mit einer katalytischen Brennkammer und Methode zu deren Betrieb

Title (fr)

Turbine à gaz avec chambre de combustion catalytique et sa méthode d'opération

Publication

**EP 1010947 A2 20000621 (EN)**

Application

**EP 99124944 A 19991214**

Priority

US 21114798 A 19981214

Abstract (en)

The present invention is a method and apparatus for operating a gas turbine that includes a catalytic combustor. The catalyst in the catalytic combustor is electrically heated, thereby initiating catalytic combustion without preheating the intake air. Eliminating the need to preheat the intake air allows removal of the preburner which otherwise produces an undesirable amount of oxides of nitrogen NOx, especially at start up and low load conditions. <IMAGE>

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IPC 8 full level

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