

SEAL DESIGNING IN A STRUCTURE OF THE COOLING SYSTEM IN GAS TURBINE ENGINE

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The seal design influence on work of the secondary air system in gas turbine engine is shown. The design method of the such system with the definition of mutual influence of gas seal and radial gap change is generated. This methods and means for practical realization are recommended at the engine design.

Gas turbine engine, secondary air system, labyrinth seal, radial gap, gap regulation, engine thermal condition

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