

Title (en)

TRANSITION ELEMENT BETWEEN COMPONENTS OF THE FLUE GAS DUCT OF A GAS TURBINE

Title (de)

ÜBERGANGSELEMENT ZWISCHEN KOMPONENTEN DES RAUCHGASKANALS EINER GASTURBINE

Title (fr)

ELEMENT DE TRANSITION ENTRE DES ELEMENTS CONSTITUTIFS DU CANAL DE GAZ BRULES D'UNE TURBINE A GAZ

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Application

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Abstract (en)

[origin: WO9716628A2] In order to reduce material stresses between components (8, 10) of the flue gas duct (4) during the operation of a gas turbine (2), the invention proposes a transition element (30, 30') between the components (8, 10). The transition element comprises a first heat-insulation element (34, 34') whose thickness (d) varies as a function of a local variable (x) along the flue gas duct (4) in order to set a predetermined temperature profile in a transition region (36, 36'). In order to permit the transition from an outwardly insulated component (8) to an inwardly insulated component (10), advantageously a second heat-insulation element (40) is provided whose thickness (d') varies inversely to the thickness (d) of the first heat-insulation element (34).

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