

Title (en)
TURBINE HOUSING

Title (de)
TURBINENGEHÄUSE

Title (fr)
ENVELOPPE DE TURBINE

Publication
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Application
EP 98966202 A 19981208

Priority
• DE 9803607 W 19981208
• DE 19806809 A 19980218

Abstract (en)
[origin: DE19806809C1] The present invention relates to a turbine housing (1) which comprises an inner housing (2) surrounded by an outer housing (3), wherein said inner (2) and outer (3) housings each have a first upper partial region (5) as well as a second lower partial region (6) with the outer surface (7) of the inner housing facing from a distance the inner surface (8) of the outer housing. The outer surface (7) of the inner housing, in a portion at least of the first partial region (5), is used for the radiation transmission of heat to the inner surface (8) of the opposite outer housing, wherein said heat transmission is lower than that occurring in a portion at least of the second partial region (6) on the outer surface (7) of the inner housing. This can be achieved due to appropriate surface coatings which are applied in the corresponding regions and which have different absorption and/or emission indices (a_1 , a_2). A temperature equilibrium can thus be obtained between the upper surface and the lower surface of the respective housings (2, 3) so as to prevent any buckling thereof upon cooling.

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