

Title (en)
TURBINE HOUSING AND METHOD FOR PRODUCING THE SAME

Title (de)
TURBINENGEHÄUSE SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
CARTER DE TURBINE ET SON PROCEDE DE PRODUCTION

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Application
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Abstract (en)

[origin: WO9923359A1] The aim of the invention is to provide a turbine housing which is capable of withstanding extreme steam conditions. To this end, the inventive turbine housing (10) has a multilayered housing wall (16), an intermediate layer (22) in the form of a bed of non-metallic material (S), preferably sand, being provided between an inner layer (20) and an outer layer (24). According to the inventive method for producing the multilayered turbine housing (10), a core (104b) representing the intermediate layer (22) is placed in a casting mould (100, 100'), a hollow space (120, 121) being formed for the inner layer (20) or the outer layer (24). The hollow space (120, 121) is then filled with a casting material (G), the core (104b) remaining in the housing wall (16) as an intermediate layer (22). Alternatively, a U-shaped profile (106') is produced first and the intermediate space (122) formed by the outer layer (24) and the inner layer (20) is then filled with the bed material (S).

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