

Title (en)

TURBINE SHAFT AND PRODUCTION OF A TURBINE SHAFT

Title (de)

TURBINENWELLE SOWIE HERSTELLUNG EINER TURBINENWELLE

Title (fr)

ARBRE DE TURBINE ET REALISATION D'UN ARBRE DE TURBINE

Publication

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Application

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Abstract (en)

[origin: WO2004051056A1] The invention relates to a turbine shaft (2, 8) for a steam turbine, oriented in an axial direction (19) and comprising a first (5, 13) and a second flow region (6, 14). According to the invention, a first material is provided in the first flow region (5, 13) of the turbine shaft (2, 8), and a second flow region is provided in the second flow region (6, 14) thereof, the first material having heat-resistant properties and the second material having cold-resistant properties. The inventive turbine shaft (2, 8) is produced by means of a construction weld seam (4) without any previous buffer layer welding on one of the two materials.

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