

Title (en)  
TURBINE SHAFT OF A STEAM TURBINE WITH INTERNAL COOLING

Title (de)  
TURBINENWELLE EINER DAMPFTURBINE MIT INTERNER KÜHLUNG

Title (fr)  
ARBRE DE TURBINE A VAPEUR A REFROIDISSEMENT INTERNE

Publication  
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Application  
**EP 96946113 A 19961220**

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Abstract (en)  
[origin: WO9725521A1] The invention concerns a turbine shaft (1), in particular for a combined high-pressure/medium-pressure steam turbine installed in a common housing (22). The turbine shaft (1) has in its interior (4) a cooling conduit (5) for the supply of cooling steam (6). The cooling conduit (5) is connected with a drain conduit (7) at one side and with a supply conduit (8) at the other. Steam-cooling of the turbine shaft (1) of a combined high-pressure steam turbine is effected through the supply of steam from the high-pressure part via the supply conduit (8) to the medium-pressure part (23) through the drain conduit (7). The invention concerns further a process for the cooling of a turbine shaft (1) of a steam turbine.

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