Title (en)
  TURBINE SHAFT AND PROCESS FOR COOLING IT

Title (de)
  TURBINENWELLE SOWIE VERFAHREN ZUR KÜHLUNG EINER TURBINENWELLE

Title (fr)
  ARBRE DE TURBINE ET PROCEDE DE REFROIDISSEMENT D'UN ARBRE DE TURBINE

Publication
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Application
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Abstract (en)
  [origin: WO9749900A1] A turbomachine (1), in particular a steam turbine, has a housing (15), an inflow area (3) for active fluid (4) which extends at least partially through the housing (15), a feed pipe (8) for a cooling fluid (5), a moving blade carrier (11) arranged in the housing (15) along a main axis (2), and a shielding element (19) arranged in the inflow area (3) which protects the moving blade carrier (11) from the active fluid and is fastened by a retaining element (22) on the housing (15). The feed pipe (8) extends through the retaining element (22). Also disclosed is a process for cooling one or several components of a turbomachine (1) adjacent to the inflow area (3) of a hot active gas (4).

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