

Title (en)
TURBOMACHINE AND PROCESS FOR COOLING A TURBOMACHINE

Title (de)
TURBOMASCHINE SOWIE VERFAHREN ZUR KÜHLUNG EINER TURBOMASCHINE

Title (fr)
TURBOMACHINE ET PROCEDE DE REFROIDISSEMENT D'UNE TURBOMACHINE

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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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