

Abstract**Method of and arrangement for cooling a low-pressure turbine section**

In a method of cooling the low-pressure turbine section of a steam turbine (1) connected in a water/steam circuit (12), a coolant (K') flows through parts (24) of the low-pressure turbine section (2), in particular during idling operation. For especially effective cooling while simultaneously utilizing the heat obtained in the process, condensate (K) bled from a condenser (4) connected downstream of the steam turbine (1) is used as coolant (K'), which condensate (K) emits heat absorbed during the cooling to the water/steam circuit (12). To this end, the low-pressure turbine section is excluded to a coolant line (22, 22') which is connected to the outflow side of the condenser (4) and in which a heat exchanger (16, 16') connected in the water/steam circuit (12) lies.

Fig. 1