

Abstract

Gas- and steam-turbine plant and method of cooling the coolant of the gas turbine of such a plant

- 5 A gas- and steam-turbine plant (1) having a waste-heat steam generator (4) which is connected downstream of a gas turbine on the flue-gas side and whose heating areas are connected in the water/steam circuit (20) of a steam turbine (21), in which gas- and
- 10 steam-turbine plant (1) reliable cooling of the gas turbine is ensured even under various operating conditions, comprises according to the invention a heat exchanger (74) which is provided for cooling the coolant of the gas turbine (6) and is connected on the secondary
- 15 side in a separate water/steam circuit (76) connected to the water/steam circuit (20) of the steam turbine (21) in such a way that it can be shut off.