

Title (en)

PROCESS FOR RUNNING A GAS AND STEAM TURBINE PLANT AND PLANT RUN BY THIS PROCESS

Title (de)

VERFAHREN ZUM BETREIBEN EINER GAS- UND DAMPFTURBINENANLAGE SOWIE DANACH ARBEITENDE ANLAGE

Title (fr)

PROCEDE D'EXPLOITATION D'UNE INSTALLATION DE TURBINES A GAZ ET A VAPEUR ET INSTALLATION EXPLOITEE SELON CE PROCEDE

Publication

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Application

EP 96922762 A 19960710

Priority

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- DE 19527537 A 19950727

Abstract (en)

[origin: DE19527537C1] A gas and steam turbine plant has a waste heat steam generator (6) connected downstream of the gas turbine (2) at the waste gas side and having a high-pressure recuperator (48) connected to the water-steam circuit (8) of the steam turbine (4), which has a low-pressure part (4c). In order to achieve the highest possible efficiency of the installation, a heat exchanger (72) is arranged outside the waste heat steam generator (6). The primary inlet of the heat exchanger (72) is connected to the outlet of the high-pressure recuperator (48) and its primary outlet is connected to the inlet of the high-pressure recuperator (48), whereas its secondary side is connected to a transfer pipe (38) that opens into the low-pressure part (4c) of the steam turbine (4). In a corresponding process for running such a plant, the low-pressure steam (ND) that flows into the steam turbine (4) is overheated by indirect heat exchange with a partial stream (tS) of pre-heated feed-water (S) taken from the high-pressure recuperator (48).

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