

Title (en)

METHOD FOR OPERATING A GAS AND STEAM TURBINE SYSTEM AND A CORRESPONDING SYSTEM

Title (de)

VERFAHREN ZUM BETREIBEN EINER GAS- UND DAMPFTURBINENANLAGE SOWIE ENTSPRECHENDE ANLAGE

Title (fr)

PROCEDE POUR L'EXPLOITATION D'UNE INSTALLATION DE TURBINES A VAPEUR ET A GAZ ET INSTALLATION CORRESPONDANTE

Publication

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Application

**EP 01978376 A 20010917**

Priority

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- EP 00121502 A 20000929

Abstract (en)

[origin: EP1193373A1] Method used for operating a gas and steam turbine system (1) comprises feeding the flue gas (AM) exiting from the gas turbine (2) operated by gas and oil over a waste-heat steam generator (30) whose heating surfaces are connected in the water/steam circuit of a steam turbine (20) having a number of pressure stages (20a, 20b, 20c). In the waste-heat steam generator, preheated condensate is heated as feed water (S) under high pressure and fed as steam (F) to the steam turbine. When operation changes from gas to oil a partial stream (tS) of heated feed water (S') is injected into the cold condensate (K). An Independent claim is also included for a gas and steam turbine system. Preferred Features: A partial stream is removed from a high pressure stage (50) and/or a medium pressure stage (70) of the water/steam circuit, from the output side of a high pressure economizer (51, 52) or medium pressure economizer (73), or from a high pressure drum (54) or medium pressure drum (75) connected in the water/steam circuit.

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