

Title (en)
HEAT RECOVERY BOILER FOR A GAS AND STEAM TURBINE PLANT

Publication
EP 0410111 B1 19930120 (DE)

Application
EP 90110081 A 19900528

Priority
EP 89113897 A 19890727

Abstract (en)
[origin: EP0410111A1] 2.1 In a heat recovery boiler for a gas and steam turbine plant, there is risk that, when the output of the gas turbine is reduced, the heat output in the high-temperature zone will fall to a greater extent than in the low-temperature zone. Due to this imbalance in the heat output, there is the risk that the economiser heating surfaces and feed water preheating surfaces may dry out. 2.2 In this regard, the invention provides that the economiser heating surfaces (46) are arranged ahead of the low-pressure evaporator heating surfaces (50) in the direction of flow of the gas turbine exhaust gases and are connected on the output side both to the high-pressure evaporator heating surfaces (44) and, via a balance line having a reducing valve (70), to an intermediate-pressure water/steam separator vessel (72) positioned on the upstream steam side of the reheater heating surfaces (40). <IMAGE>

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F01K 23/10; F22B 1/18

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F01K 23/10 (2006.01)

CPC (source: EP)
F01K 23/106 (2013.01)

Cited by
EP0515911A1; EP0767290A1; EP0526816A1; US5285627A; US5369949A; US5251432A; US5345755A; DE19527537C1; CN1093215C; EP2801759A1; WO9705366A1; WO9525880A1; WO9313299A1; WO2016162272A1; WO9901697A1; US11339687B2; WO2019121191A1

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