

Title (en)
FORCED-FLOW STEAM GENERATOR

Title (de)
ZWANGDURCHLAUFDAMPFERZEUGER

Title (fr)
GENERATEUR DE VAPEUR A CIRCULATION FORCEE

Publication
EP 0639253 B1 19961211 (DE)

Application
EP 93908800 A 19930421

Priority

- EP 93908800 A 19930421
- DE 9300344 W 19930421
- DE 4217626 A 19920527
- EP 92107500 A 19920504

Abstract (en)
[origin: WO9322599A1] A forced flow steam generator with an evaporator heating surface (4) has a control device for the furnace piloted by a reference value L allocated to the steam generator output and a control device (6) for the mass flow M of the supply water into the evaporator heating surface (4). To prevent any overshoot of the specific enthalpy at the outlet of the evaporator heating surface (4), a device (8) is superimposed on the supply water regulating device (6) which is used as a reference Ms for the mass flow of the supply water to form the quantity $Q(L1)/(hsA(L2) - hiE)$. Here, hiE is the specific enthalpy at the inlet of the evaporator heating surface (4), $Q(L1)$ is the value of the flow of heat into the evaporator heating surface (4) taken at a first power figure L1 from a function generator (10 to 14) and $hsA(L2)$ is the reference derived with a second power figure L2 from the function generator for the specific enthalpy at the outlet from the evaporator heating surface (4). L1 is a first power figure which is delayed in relation to the reference L allocated to the steam generator output and L2 is a second power figure which is delayed in relation to the first power figure L1.

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IPC 8 full level
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Cited by
EP1614962A1; DE102011004263A1; AU2005261689B2; WO2006005708A1; US7624708B2; EP2194320A1; US9291345B2; US9482427B2; EP2065641A2

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