

Title (en)
STEAM GENERATOR WITH A TEMPERATURE-REGULATED PARALLEL-TUBE SYSTEM

Publication
EP 0195298 B1 19891123 (DE)

Application
EP 86102729 A 19860303

Priority
DE 3509637 A 19850316

Abstract (en)
[origin: EP0195298A1] 1. Steam generator having a temperature-regulated parallel pipe system with injection coolers (12, 13) which are connected upstream of the end heating surfaces (7, 8, 9, 10) of the individual lines (3, 4, 5, 6) of the parallel pipe system, having a measuring sensor (39) for the temperature of the mixed steam downstream of the parallel pipe system, said sensor being connected to the steam collecting line (11) which accommodates the individual lines, and having a regulating device for the injection coolers, which device is controlled by the measuring sensor and a desired value input, there being associated with each of the lines (3 to 6) which are connected in parallel a separate temperature measuring sensor (37, 38) for the steam temperature, said temperature measuring sensors being connected to a temperature regulator (40) which controllably opens the injection cooler (12, 13) of the line with the highest steam temperature and controllably closes the injection cooler (12, 13) of the line with the lowest steam temperature, there being associated with the hot ends of the individual parallel pipes (17 to 26) of each line (3 to 6) separate temperature measuring sensors (27 to 36) which are connected to a monitoring logic system (42, 43) which determines the measured value with the highest temperature and compares it with a fixedly preset reference value (44, 45) for the temperature and controllably opens the associated injection cooler (12, 13) when the reference value is exceeded, with priority over other control commands.

IPC 1-7
F22B 35/10; F22G 5/12

IPC 8 full level
F22B 35/10 (2006.01); **F22G 5/12** (2006.01)

CPC (source: EP)
F22B 35/108 (2013.01); **F22G 5/12** (2013.01)

Cited by
US2015114320A1; US9841185B2; GB2521511B

Designated contracting state (EPC)
AT DE NL SE

DOCDB simple family (publication)
EP 0195298 A1 19860924; EP 0195298 B1 19891123; AT E48184 T1 19891215; DE 3509637 A1 19860918; DE 3667097 D1 19891228; DK 113186 A 19860917; DK 113186 D0 19860312; DK 161404 B 19910701; DK 161404 C 19911209; ES 553030 A0 19870901; ES 8708048 A1 19870901; FI 84201 B 19910715; FI 84201 C 19911025; FI 860864 A0 19860228; FI 860864 A 19860917; JP S61213504 A 19860922; YU 33486 A 19901031

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