

Title (en)
FLUID DISTRIBUTOR IN A PRESSURIZED CONTAINER PREVENTING THERMAL STRATIFICATION

Publication
EP 0309361 B1 19910320 (FR)

Application
EP 88402403 A 19880923

Priority
FR 8713296 A 19870925

Abstract (en)
[origin: EP0309361A1] Device for avoiding thermal stratification in a feed duct. <??>Cold water introduced at a low rate into a supply system filled with hot water circulates in the bottom of the system and accumulates at its end. It is discharged only at the end of the distributor where it has a higher head pressure. The non-miscible hot water remains separate and high thermal stresses appear over the distributor at the interface between the two layers. In the invention, the distribution pipes (2) or the supply system itself (1) have slots (6 and 9) cut into them which encourages the flow, particularly upstream. <??>Application to nuclear power station steam generators. <IMAGE>

IPC 1-7
F28C 3/06; F28F 25/06

IPC 8 full level
F22B 37/22 (2006.01)

CPC (source: EP KR US)
F22B 37/228 (2013.01 - EP US); **F28C 3/06** (2013.01 - KR); **Y10T 137/8593** (2015.04 - EP US); **Y10T 137/85938** (2015.04 - EP US)

Cited by
WO9320385A1

Designated contracting state (EPC)
BE CH DE ES GB LI

DOCDB simple family (publication)
EP 0309361 A1 19890329; EP 0309361 B1 19910320; CA 1325932 C 19940111; CN 1010974 B 19901226; CN 1035554 A 19890913; DE 309361 T1 19890803; DE 3862094 D1 19910425; ES 2007579 A4 19890701; ES 2007579 B3 19911116; FR 2621018 A1 19890331; FR 2621018 B1 19900119; KR 890004960 A 19890510; US 4917146 A 19900417; ZA 887053 B 19890726

DOCDB simple family (application)
EP 88402403 A 19880923; CA 578210 A 19880923; CN 88107164 A 19880924; DE 3862094 T 19880923; DE 88402403 T 19880923; ES 88402403 T 19880923; FR 8713296 A 19870925; KR 880012400 A 19880924; US 24866788 A 19880926; ZA 887053 A 19880921