

Title (en)

Steam generator with a system for water deflexion and for removing sludge.

Title (de)

Dampferzeuger mit einer Wasserablenkungsvorrichtung und einem Schlammmentleerungsbahn.

Title (fr)

Générateur de vapeur équipé d'un dispositif de déflexion et de purge.

Publication

EP 0566477 A1 19931020 (FR)

Application

EP 93400959 A 19930413

Priority

FR 9204642 A 19920415

Abstract (en)

In a steam generator which is fitted to a nuclear power station and includes inverted U-tubes connected onto a tube plate (12) and surrounded by an inner wrapper (26) which accommodates a lower flow distribution plate (41) in its bottom, the space (46) termed the "tube lane" between the tube plate (12), the flow distribution plate (41) and the hot and cold branches of the tubes, contains a deflection and blowdown (vent) box (44). This box (44) extends over the entire length of the tube lane and, in height, as far as the vicinity of the upper edge of the inner wrapper (26). It is provided on its lower face with vent orifices (50) and is both used for deflection and draining secondary fluid in the vicinity of the tube plate (12). <IMAGE>

IPC 1-7

F22B 1/02

IPC 8 full level

F22B 1/16 (2006.01); **F22B 1/02** (2006.01); **F22B 37/48** (2006.01); **G21D 1/00** (2006.01)

CPC (source: EP US)

F22B 1/025 (2013.01 - EP US); **F22B 37/483** (2013.01 - EP US)

Citation (search report)

- [A] WO 9012983 A1 19901101 - KINDLING ALEXANDER T [US], et al
- [A] FR 2597577 A1 19871023 - WESTINGHOUSE ELECTRIC CORP [US]
- [A] US 5088451 A 19920218 - HU MIN H [US], et al
- [A] FR 2213453 A1 19740802 - SULZER AG [CH]

Designated contracting state (EPC)

BE CH DE ES GB LI SE

DOCDB simple family (publication)

EP 0566477 A1 19931020; **EP 0566477 B1 19960228**; CN 1033829 C 19970115; CN 1079544 A 19931215; DE 69301624 D1 19960404; FR 2690224 A1 19931022; FR 2690224 B1 19940603; JP H06129601 A 19940513; KR 930022389 A 19931124; TW 221486 B 19940301; US 5335631 A 19940809

DOCDB simple family (application)

EP 93400959 A 19930413; CN 93104239 A 19930414; DE 69301624 T 19930413; FR 9204642 A 19920415; JP 8759193 A 19930414; KR 930006315 A 19930415; TW 82102852 A 19930414; US 4694393 A 19930415