

Title (en)

Distributing and partitioning device for feed and recirculation water in the secondary side of a steam generator.

Title (de)

Vorrichtung zur Abgabe und Verteilung von Speise- und Rezirkulationswasser in der Sekundärseite eines Dampferzeugers.

Title (fr)

Générateur de vapeur à dispositif de distribution et de répartition de l'eau alimentaire et de l'eau de recirculation dans la partie secondaire.

Publication

EP 0568434 A1 19931103 (FR)

Application

EP 93401075 A 19930426

Priority

FR 9205219 A 19920428

Abstract (en)

In a steam generator used in a nuclear reactor, the feed of secondary water takes place by at least one nozzle (48) which opens directly into the bottom of an annular recirculation space (32) formed between the external casing (10) and an internal casing (26) surrounding inverted U-shaped tubes (24), on the side of the cold branches of these tubes. A perforated collar (56) placed in the annular space (32), above the nozzle (48), creates a loss of head or a flow limitation which prevents the rising of the feed water and controls the circumferential distribution of the recirculation water which descends from the separators (28). <IMAGE>

IPC 1-7

F22B 1/02; **F22B 37/22**

IPC 8 full level

F22B 1/02 (2006.01); **F22D 11/00** (2006.01)

CPC (source: EP KR US)

F22B 1/025 (2013.01 - EP KR US); **F22B 37/22** (2013.01 - KR); **F22D 11/003** (2013.01 - EP KR US)

Citation (search report)

- [A] FR 2244129 A1 19750411 - KRAFTWERK UNION AG [DE]
- [A] EP 0183049 A1 19860604 - WESTINGHOUSE ELECTRIC CORP [US]
- [A] GB 1126306 A 19680905 - WESTINGHOUSE ELECTRIC CORP
- [A] US 3916844 A 19751104 - CASSELL DON STUART

Cited by

EP2508799A1; US9182113B2

Designated contracting state (EPC)

BE DE SE

DOCDB simple family (publication)

EP 0568434 A1 19931103; **EP 0568434 B1 19960717**; CA 2094882 A1 19931029; DE 69303657 D1 19960822; FR 2690504 A1 19931029; FR 2690504 B1 19940603; KR 930022001 A 19931123; US 5323736 A 19940628

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