

Title (en)
STEAM GENERATOR WITH A DYNAMIC DISCHARGE SYSTEM

Publication
EP 0068958 B1 19840725 (FR)

Application
EP 82401064 A 19820611

Priority
FR 8111833 A 19810616

Abstract (en)
[origin: ES8401601A1] Steam generator of the type comprising within a vertically axed type enclosure a plurality of U-tubes in which circulates a primary liquid and on the outer wall of which flows a secondary liquid, a cylindrical envelope surrounding the said tubes and defining with the inner wall of the enclosure an annular passage, whose lower part is connected to the inner space of the envelope, the latter being sealed in its upper part by a cover, which is itself surmounted by at least one device for separating the steam by centrifuging, a means for drying the steam in the upper part of the enclosure, said means incorporating at least one steam dryer surrounding the axis of the enclosure, each dryer being connected by its lower part to at least one discharge pipe for removing the water separated from the steam, wherein each discharge pipe is linked with a dynamic draining or bleeding device able to produce a pressure reduction or vacuum in order to suck in the water collected in the dryer. As a result, it is not necessary to maintain a clearance level or height in the discharge pipe. The steam generator is more particularly intended for use in pressurized water nuclear reactors.

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F22B 37/26

IPC 8 full level
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CPC (source: EP KR US)
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Cited by
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EP 0068958 A1 19830105; **EP 0068958 B1 19840725**; CA 1216481 A 19870113; DE 3260463 D1 19840830; ES 513113 A0 19831216; ES 8401601 A1 19831216; FR 2507742 A1 19821217; FR 2507742 B1 19841228; JP S5813901 A 19830126; JP S6367081 B2 19881223; KR 840000762 A 19840227; KR 880001502 B1 19880816; US 4522156 A 19850611; ZA 824122 B 19830525

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