

Title (en)

VERTICAL TYPE STEAM GENERATOR OF PRESSURIZED WATER REACTOR NUCLEAR POWER PLANT AND LOOSENING PART CAPTURING DEVICE THEREFOR

Title (de)

VERTIKALER DAMPFERZEUGER EINES DRUCKWASSERREAKTORS IN EINEM KERNKRAFTWERK UND VORRICHTUNG ZUM AUFFANGEN VON SICH LÖSENDEN TEILEN DAFÜR

Title (fr)

GÉNÉRATEUR DE VAPEUR DE TYPE VERTICAL D'UNE CENTRALE NUCLÉAIRE À RÉACTEUR À EAU SOUS PRESSION ET DISPOSITIF DE CAPTURE PAR PIÈCES DE DÉVERSEMENT ASSOCIÉ

Publication

EP 4080115 A4 20240320 (EN)

Application

EP 19953742 A 20191129

Priority

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Abstract (en)

[origin: EP4080115A1] The present invention provides a loosening part capturing device for a steam generator (10) of a pressurized water reactor nuclear power plant, as well as a vertical type steam generator (10) of the pressurized water reactor nuclear power plant including the same. The loosening part capturing device is provided on a top plate (51) of a sludge collector (50). The top plate (51) is provided with a number of steam and water separator rising cylinders (41). Capturing enclosing plates (80) fixedly connected to the top plate (51) are provided between adjacent steam and water separator rising cylinders (41) on the periphery of the top plate (51). Two ends of each capturing enclosing plate (80) are respectively fixedly connected to outer surfaces of the water separator rising cylinders (41), and one end of each capturing enclosing plates (80) afar from the top plate (51), is provided with a folding plate (81) extending towards a center of the top plate (51).

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [XI] US 4649868 A 19870317 - SMITH JR ALLEN C [US]
- [I] US 2009092216 A1 20090409 - HU MIN-HSIUNG [US]
- [I] US 4303043 A 19811201 - REDDING ARNOLD H
- See also references of WO 2021102885A1

Designated contracting state (EPC)

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