

Title (en)

SODIUM-WATER STEAM GENERATOR WITH CONCENTRIC STRAIGHT TUBES AND GAS CIRCULATION IN THE ANNULAR SPACE

Publication

EP 0147304 B1 19870715 (FR)

Application

EP 84402629 A 19841218

Priority

FR 8320469 A 19831221

Abstract (en)

[origin: US4633819A] A steam generator installation comprises an envelope, first and second tube plates defining an intermediate fluid discharge chamber; a bundle of external tubes connected to the tube plate, an internal tube being arranged within each external tube, a liquid metal circulating outside the external tube, an admission chamber for the water, which is introduced into the internal tubes, a discharge chamber for the steam and an admission chamber for the intermediate fluid. This fluid circulates between the internal tubes and the external tubes. The intermediate fluid discharge chamber is connected to the inlet of a heat exchanger, which cools it. The intermediate fluid admission chamber is connected to the outlet of this exchanger.

IPC 1-7

F22B 1/06; **F01K 3/18**

IPC 8 full level

F01K 3/18 (2006.01); **F22B 1/06** (2006.01); **G21D 5/08** (2006.01); **G21D 5/14** (2006.01)

CPC (source: EP US)

F01K 3/181 (2013.01 - EP US); **F22B 1/066** (2013.01 - EP US)

Cited by

EP2711508A1; FR2995628A1; CN103670552A

Designated contracting state (EPC)

BE DE GB IT NL

DOCDB simple family (publication)

EP 0147304 A2 19850703; **EP 0147304 A3 19850814**; **EP 0147304 B1 19870715**; DE 3464794 D1 19870820; FR 2557280 A1 19850628; FR 2557280 B1 19860328; JP S60155801 A 19850815; US 4633819 A 19870106

DOCDB simple family (application)

EP 84402629 A 19841218; DE 3464794 T 19841218; FR 8320469 A 19831221; JP 26758584 A 19841220; US 83358886 A 19860227