

Title (en)

Once-through forced-flow steam generator.

Title (de)

Zwangsdurchlaufdampferzeuger.

Title (fr)

Chaudière à vapeur à passage unique et circulation forcée.

Publication

**EP 0349767 A1 19900110 (DE)**

Application

**EP 89109988 A 19890602**

Priority

DE 3822804 A 19880706

Abstract (en)

[origin: JPH0252903A] PURPOSE: To make a medium flowing through a pipe uniform by a structure wherein a combustion chamber is defined by pipes arranged obliquely, a hopper is formed piping walls arranged vertically with pipes and the pipes in the combustion chamber are separated from the pipes in a cone by headers. CONSTITUTION: A combustion chamber has front and rear walls 5, 7 from which pipes extend obliquely upward and side walls 6, 8 on which pipes are arranged horizontally. A hopper 2 has inclining front and rear walls 9, 11 and vertically slanting side walls 10, 12. Pipes of the hopper 2 are arranged in the vertical direction. Hopper pipes on the front and rear walls 9, 11 extend from an inlet header 16 and make transition to obliquely extending pipes on the front and rear walls 5, 7 of combustion chamber through a coupling. The obliquely extending pipes on the front and rear walls 5, 7 are continuous to pipes extending horizontally on the side walls 6, 8 of the combustion chamber.

Abstract (de)

Die Brennkammer (1) eines Zwangsdurchlaufdampferzeugers ist am unteren Ende mit einem Trichter (2) versehen und durch Rohrwände mit zumindest teilweise schräg angeordneten Rohren begrenzt. Der Trichter ist durch Rohrwände (9, 10, 11, 12) mit senkrecht angeordneten Rohren gebildet. Die Rohre der Brennkammer (1) sind von den Rohren des Trichters (2) durch Sammler derart getrennt, daß das die Rohre der Brennkammer (1) anströmende Medium die gleiche Enthalpie aufweist.

IPC 1-7

**F22B 29/06; F22B 37/14**

IPC 8 full level

**F22B 35/10** (2006.01); **F22B 29/06** (2006.01); **F22B 37/14** (2006.01)

CPC (source: EP US)

**F22B 37/146** (2013.01 - EP US)

Citation (search report)

- [XD] DE 3207987 A1 19830915 - EVT ENERGIE & VERFAHRENSTECH [DE]
- [A] US 4344388 A 19820817 - STEVENS WILLIAM D

Designated contracting state (EPC)

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DOCDB simple family (publication)

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