

Title (en)
Steam generator

Title (de)
Dampferzeuger

Title (fr)
Générateur de vapeur

Publication
EP 1249662 B1 20050105 (DE)

Application
EP 02007233 A 20020328

Priority
DE 10117989 A 20010410

Abstract (en)
[origin: US2002144663A1] A steam generator for converting water to steam by the transfer of heat from a heating medium includes two or more water/steam circuits. Each water/steam circuit has at least one evaporator for transferring the heat from the heating medium to the water. A single water/steam drum receives steam or water and steam from the evaporators. A descending pipe has at least one bypass, from which the supply pipes of the respective water/steam circuits branch off, and a venturi device in the area of the bypass. The inlet opening of the supply pipe of at least one water/steam circuit is disposed in the area of diffuser-shaped outlet of the venturi device such that the supply pipe section acts as a dynamic compression pipe in order to increase the pressure of the working medium in this circuit.

IPC 1-7
F22B 1/18; **F22B 37/70**

IPC 8 full level
F22B 1/18 (2006.01); **F22B 37/70** (2006.01)

CPC (source: EP KR US)
F22B 1/18 (2013.01 - KR); **F22B 1/1869** (2013.01 - EP US); **F22B 1/1884** (2013.01 - EP US); **F22B 37/70** (2013.01 - EP US)

Designated contracting state (EPC)
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US 2002144663 A1 20021010; **US 6526922 B2 20030304**; AT E286581 T1 20050115; AU 3299102 A 20031016; AU 783495 B2 20051103; DE 10117989 C1 20020523; DE 50201936 D1 20050210; EP 1249662 A1 20021016; EP 1249662 B1 20050105; ES 2234943 T3 20050701; JP 2002333102 A 20021122; JP 3736630 B2 20060118; KR 100589086 B1 20060612; KR 20020080258 A 20021023

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