

Title (en)

VAPOR GENERATION SYSTEM AND METHOD FOR GENERATION OF VAPOR

Title (de)

DAMPFERZEUGUNGSSYSTEM UND VERFAHREN ZUR ERZEUGUNG VON DAMPF

Title (fr)

SYSTÈME DE GÉNÉRATION DE VAPEUR ET PROCÉDÉ DE GÉNÉRATION DE VAPEUR

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Application

EP 17803915 A 20171122

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Abstract (en)

[origin: EP3330609A1] The present invention relates to a system (1) and method for generation of vapor. The system comprises a channel (3) for a high temperature fluid, an economizer (7), an evaporator (8) and a superheater (9) arranged in the channel and a liquid-vapor separator (10). The economizer is arranged to preheat a first fluid and the evaporator is arranged to heat a second fluid by heat exchange with the high temperature fluid. The separator is arranged to receive heated second fluid and to separate liquid and vapor thereof. The superheater is arranged to receive vapor discharged by the separator, to heat the vapor by heat exchange with the high temperature fluid and to discharge superheated vapor. The second fluid comprises preheated first fluid and/or liquid discharged by the separator. The system comprises further a heating device (23), which is arranged to heat liquid in the separator so as to convert liquid to vapor.

IPC 8 full level

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