

Title (en)
GENERATOR FOR A SORPTION HEAT PUMP

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EP 0133271 B1 19890329 (DE)

Application
EP 84108706 A 19840724

Priority
• DE 8322959 U 19830806
• DE 8322960 U 19830806
• DE 8322962 U 19830806

Abstract (en)
[origin: EP0133271A2] 1. A generator (1) for a sorption heat pump comprising an entrance (27) for rich solution and a container (3), which protrudes into a combustion chamber so as to leave an annular gap and is filled with a refrigerant-solvent mixture and provided on its outside and inside surfaces with ribbed heat exchange surfaces, wherein the ribbed heat faces on the outside surface (16) of the container comprise a ribbed zone having ribs (19), which are inclined from 10 degrees to 40 degrees to the axis of the container, characterized in that the ribs (19) comply with a ratio $h/DA = 1.1$ to 1.5, wherein DA is the outside diameter of the container with two mutually opposite ribs and h is the height of the ribbed zone, the container (3) contains in its interior (17) a solvent heat exchanger (37), which is countercurrently supplied with cooled rich solution and with hot poor solution, and the annular space (25) contains above the ribbed zone an exhaust gas heat exchanger (26), which has an inlet (27) that is connected to the entrance and has an outlet that is connected to the supply line leading to the solvent heat exchanger for the rich solution.

IPC 1-7
F25B 33/00

IPC 8 full level
F25B 33/00 (2006.01)

CPC (source: EP)
F25B 33/00 (2013.01)

Citation (examination)
• US 3407625 A 19681029 - MCDONALD BERTRAND N
• FR 1471989 A 19670303 - CARRIER CORP
• DE 549116 C 19320423 - BRUNO LEHMANN
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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

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EP 0133271 A2 19850220; EP 0133271 A3 19850911; EP 0133271 B1 19890329; DE 3477509 D1 19890503

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