

Title (en)
RESORPTION HEAT-EXCHANGE INSTALLATION

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Application
EP 88907049 A 19880707

Priority
DE 3723938 A 19870720

Abstract (en)
[origin: WO8900665A1] A resorption heat-exchange installation operating with a two-component working fluid, such as an ammonia-water mixture and at least one compression and expansion engine has two interconnected solution circuits (I; II) at different pressures and temperatures in which the heat energy for degassing the working fluid is used for reabsorption or absorption, respectively. The gaseous component of the working fluid given off during degassing of the rich solution at a lower pressure in the first solution circuit (I) is raised by the compressor so the upper pressure of the said solution circuit and the gaseous component of the other solution circuit given off from the rich solution as a higher pressure in the other solution circuit (II) is expanded by an expansion engine (46) to the lower pressure of this second solution circuit. The two solution circuits (I, II) are coupled directly to an intermediate pressure (P2) which represents the upper pressure of the first solution circuit (I) and the lower pressure of the second solution circuit (II).

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