

Title (en)
Refrigerating plant with ejector

Title (de)
Kälteanlage mit Auswerfer

Title (fr)
Installation frigorifique avec éjecteur

Publication
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Application
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Abstract (en)
The invention relates to a refrigerating plant with ejector, operating with a refrigerant according to a vapour compression cycle and comprising in a main circuit 100A: - a condenser 110; - a first 111 and a second expansion device 113 positioned downstream of the condenser 110; - a first receiver of liquid 112 positioned between the two expansion devices in which the refrigerant separates into the liquid phase and the vapour phase; - an evaporator 114 positioned downstream of the second expansion device 113; - at least one primary compressor 115 positioned downstream of the evaporator 114 and upstream of the condenser 110. The plant comprises in a secondary branch 100B an ejector 116 which takes the refrigerant in output from the condenser as a driving flow and as a driven flow the refrigerant in vapour phase from the first receiver and is connected in output between the evaporator and the condenser. The present invention relates to a refrigerating plant with a triple compression stage, the intermediate stage being realised by means of an ejector.

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