

Title (en)  
THERMAL CONDITIONING SYSTEM

Title (de)  
WÄRMEKONDITIONIERUNGSSYSTEM

Title (fr)  
SYSTÈME DE CONDITIONNEMENT THERMIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO2022248336A1] The invention relates to a thermal conditioning system (100) having: - a heat-transfer liquid circuit (1), - a refrigerant circuit (2) having: -- a main loop (A) comprising successively: --- a compression device (3), --- a bi-fluid exchanger (4), --- a first expansion device (5), --- a first heat exchanger (6), -- a first bypass branch (B) connecting a first connection point (11) disposed downstream of the bi-fluid exchanger (4) to a second connection point (12) disposed downstream of the first exchanger (6), and having successively a second expansion device (7) and a second heat exchanger (8), -- a second bypass branch (C) having successively a third expansion device (9) and a third heat exchanger (10), the main loop (A) having an internal heat exchanger (17) configured to allow an exchange of heat between the high-pressure refrigerant downstream of the bi-fluid exchanger (4) and the low-pressure refrigerant downstream of the second connection point (12).

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