

Title (en)
METHOD FOR REGULATING THE INTERNAL TEMPERATURE OF A COLD LOAD

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Abstract (en)
[origin: EP0412473A2] A method for regulating the internal temperature of a cold load 1 is described, which is connected via two refrigerant pipes, one liquid pipe 2 and a suction pipe 3 to a combination refrigerating system (4, 5, 6). In the method, the internal temperature T_i is measured (11) and the throughput is controlled through both or one of the two refrigerant pipes 2, 3. In this connection, at least one of the two refrigerant pipes 2, 3 is closed when the internal temperature T_i lies below a first limit temperature T_u . If T_i lies above a second limit temperature T_o , $T_o > T_u$, both refrigerant pipes 2, 3 are opened. According to the invention, one of the two refrigerant pipes 2, 3, in particular the suction pipe 3, is opened and closed a number of times, while the internal temperature T_i is situated within the hysteresis interval between T_u and T_o . <IMAGE>

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Citation (search report)
• [Y] EP 0295377 A2 19881221 - HERMLE BERTHOLD GMBH MASCHF [DE]
• [Y] US 4771610 A 19880920 - NAKASHIMA YASUO [JP], et al
• [A] US 4084388 A 19780418 - NELSON LORNE W
• [A] US 4510767 A 19850416 - KOMATSU FUMIAKI [JP], et al

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