

Title (en)  
REFRIGERATING SYSTEM AND METHOD FOR OPERATING A REFRIGERATING SYSTEM

Title (de)  
KÄLTEANLAGE UND VERFAHREN ZUM BETREIBEN EINER KÄLTEANLAGE

Title (fr)  
INSTALLATION FRIGORIFIQUE ET PROCEDE POUR FAIRE FONCTIONNER UNE INSTALLATION FRIGORIFIQUE

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Application  
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Abstract (en)  
[origin: WO2005075901A1] The invention relates to a novel refrigerating system comprising at least one refrigerating consumer provided with at least one evaporator, at least one supply line and at least one withdrawal line which enable the coolant or the coolant mixture to be supplied to and/or withdrawn from the refrigerating consumer(s). Expansion elements are associated with the evaporator(s). According to the invention, the expansion elements are embodied as modified expansion valves (a, b, c) and/or as modified linear expansion machines or the by-pass lines (4) are associated therewith, and a modified linear compressor (x, y, z) or a traditional compressor (x'), which comprises a by-pass line (5), is associated with each refrigerating consumer (V', V'', V'''). The modified expansion valve(s) (a, b, c) and/or the modified linear expansion machine(s) and/or the modified linear compressor(s) (x, y, z) have a working position which enables a through-flow without a considerable drop in pressure. The invention also relates to two alternative methods which are used to operate a refrigerating system.

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