

Title (en)  
RECIPROCATING COMPRESSOR

Title (de)  
KOLBENVERDICHTER

Title (fr)  
COMPRESSEUR A PISTONS

Publication  
**EP 1283364 A1 20030212 (EN)**

Application  
**EP 00929775 A 20000517**

Priority  
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Abstract (en)  
A reciprocating compressor (1) according to the present invention has a main body (28), in which are provided a first low-pressure chamber (30A) for introducing low-pressure refrigerant into a pumping chamber (43) of a cylinder (40), a second low-pressure chamber (30B) for introducing low-pressure refrigerant into pumping chambers (43) of other cylinders (41, 43), and a high-pressure chamber (38) for letting in high-pressure refrigerant discharged from the pumping chambers (43). The low-pressure chambers (30A, 30B) are connected to respective suction pipes (18b, 18a) of refrigerant circuits, and the high-pressure chamber (38) is connected to a discharge pipe (9) of the refrigerant circuits. Accordingly, the refrigerant flows can be controlled separately from each other and variations in the load acting on one evaporator (10) can be prevented from affecting the other evaporator (11), thus making it possible to efficiently control the temperatures of respective different temperature zones independently of each other, whereby the performance of the compressor (1) as well as the operation efficiency of an overall system including the compressor (1) and the refrigerant circuits can be improved. <IMAGE>

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IPC 8 full level  
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Citation (search report)  
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Cited by  
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