

Title (en)  
REFRIGERATING DEVICE

Title (de)  
KÜHLVORRICHTUNG

Title (fr)  
DISPOSITIF REFRIGERANT

Publication  
**EP 1120611 A1 20010801 (EN)**

Application  
**EP 00946397 A 20000719**

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Abstract (en)  
Disposed in a suction line (X) of compressors (1A, 1B, ...) having different capacities is an oil return mechanism (Z) operable to preferentially return a refrigerator oil separated from in a suction gas refrigerant to the compressor (1A) with the smallest capacity among the compressors (1A, 1B, ...). On the other hand, an oil return passage (117) is provided through which a refrigerator oil separated in an oil separator (116) disposed in a discharge piping (115) of the compressors (1A, 1B, ...) is returned to the compressor (1A) with the smallest capacity among the compressors (1A, 1B, ...). Having preferentially being returned to the smallest-capacity compressor (1A), the refrigerator oil separated in the oil separator (116) and the refrigerator oil in the suction gas refrigerant are returned successively to the compressors (1B, 1C, ...) which are lower in dome internal pressure, by the dome internal pressure difference. <IMAGE>

IPC 1-7  
**F25B 1/00**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
US10634137B2; EP2132498A4; EP1672298A3; FR2909421A1; EP3406909A1; US2018340526A1; US2018274830A1; US10655897B2; US2014056725A1; US10731901B2; US11274862B2; US9689386B2; WO2010115435A1; WO2005103492A1; WO2008101688A1; WO2008081093A3; WO2008108518A2; US11022355B2; US10760831B2; US10465937B2; US10935274B2; US10495365B2; US10495089B2; US10612549B2; US11415347B2; US9051934B2; US9939179B2

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