

Title (en)
Air-conditioner having multiple compressors

Title (de)
Klimaanlage mit mehreren Kompressoren

Title (fr)
Conditionneur d'air avec plusieurs compresseurs

Publication
EP 1696189 A1 20060830 (EN)

Application
EP 05004194 A 20050225

Priority
EP 05004194 A 20050225

Abstract (en)
An air-conditioner having multiple compressors (20,22,24,26) includes: an indoor heat-exchanger (2) disposed indoors and heat-exchanging indoor air; an outdoor heat-exchanger (4,6) disposed outdoors and heat-exchanging a refrigerant with external air; four compressors (20,22,24,26) for compressing the refrigerant to change the refrigerant to have a high temperature and high pressure; and three accumulators (30,32,34) disposed at a suction side of the four compressors (20,22,24,26) and separating the refrigerant into a gas and a liquid to supply a gaseous refrigerant to the compressors (20,22,24,26). Oil can be uniformly supplied to each compressor (20,22,24,26), thereby enhancing reliability of compressors (20,22,24,26), and since the three accumulators (30,32,34) are small with low capacities, their installation space can be easily secured.

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CPC (source: EP)
F25B 13/00 (2013.01); **F25B 43/006** (2013.01); **F25B 31/004** (2013.01); **F25B 2313/001** (2013.01); **F25B 2313/0253** (2013.01); **F25B 2400/075** (2013.01); **F25B 2400/0751** (2013.01)

Citation (search report)
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• [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 08 6 October 2000 (2000-10-06)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12 26 December 1996 (1996-12-26)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14 31 December 1998 (1998-12-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01 14 January 2003 (2003-01-14)
• [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01 29 January 1999 (1999-01-29)

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