

Title (en)

Heat pump with compressor oil distribution

Title (de)

Wärmepumpe mit Kompressorölverteilung

Title (fr)

Pompe à chaleur avec distribution d'huile pour compresseur

Publication

**EP 1677057 A2 20060705 (EN)**

Application

**EP 05103535 A 20050428**

Priority

- KR 20040113915 A 20041228
- KR 20040113916 A 20041228

Abstract (en)

The present invention relates to an air conditioner comprising: a plurality of compressors (20A,20B) disposed in parallel with each other; an oil outlet pipe (30A,30B) provided in the plurality of compressors respectively and discharging a surplus oil; a capillary tube (40A,40B) connected to the oil outlet pipe; and an oil equalizing pipe connected to the capillary tube and selectively supplying the surplus oil discharged through the oil outlet pipe to the plurality of compressors. Thus, the adequate oil level of the oil in the plurality of compressors may be maintained stably and also the oil equalizing function may be simplified.

IPC 8 full level

**F25B 31/00** (2006.01)

CPC (source: EP)

**F25B 31/004** (2013.01); **F25B 2400/075** (2013.01); **F25B 2700/03** (2013.01); **F25B 2700/2105** (2013.01); **F25B 2700/21152** (2013.01)

Cited by

EP2339270A1; EP2218984A3; US8028539B2; US8820103B2; WO2010115435A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1677057 A2 20060705; EP 1677057 A3 20090603**

DOCDB simple family (application)

**EP 05103535 A 20050428**