

Title (en)  
Multi-air conditioner capable of performing simultaneous cooling and heating

Title (de)  
Mehrzonenklimaanlage zum gleichzeitigen Kühlen und Heizen

Title (fr)  
Conditionneur d'air à unités multiples capable de refroidir et chauffer simultanément

Publication  
**EP 1691146 A1 20060816 (EN)**

Application  
**EP 06002284 A 20060203**

Priority  
KR 20050012464 A 20050215

Abstract (en)  
A multi-air conditioner capable of simultaneous cooling and heating, includes: a first duct (3) connected to a discharge side of a compressor (1), through which a refrigerant discharged from the compressor (1) passes at the time of cooling operation; a second duct (4) diverged from the first duct (3), through which a refrigerant discharged from the compressor passes at the time of heating operation; and an oil accumulation preventing portion (8) formed at a certain section of the second duct (4) to have a height difference, for preventing oil, which is introduced to the second duct (4) from the compressor (1) together with a refrigerant, from being accumulated in the second duct. Accordingly, the multi-air conditioner capable of simultaneous cooling and heating can prevent damage to the compressor due to a shortage of oil and thusly improve reliability of a compressor by preventing oil accumulation within a duct.

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Citation (search report)  
• [Y] EP 1437557 A1 20040714 - LG ELECTRONICS INC [KR]  
• [XY] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 02 31 March 1995 (1995-03-31)

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