

Title (en)

AIR CONDITIONER AND MOISTURE REMOVING DEVICE FOR USE WITH THE AIR CONDITIONER

Title (de)

KLIMAANLAGE UND FEUCHTIGKEITSENTFERNVORRICHTUNG ZUR ANWENDUNG BEI DER KLIMAANLAGE

Title (fr)

CONDITIONNEUR D'AIR A ABSORBEUR D'HUMIDITE INTEGRE

Publication

**EP 0816779 A4 19980805 (EN)**

Application

**EP 95912460 A 19950317**

Priority

JP 9500481 W 19950317

Abstract (en)

[origin: EP0816779A1] An outdoor machine having a four-way valve, a compressor, an outdoor heat exchanger and an expansion means connected via a piping in that order and an indoor machine having an indoor expansion means and an indoor heat exchanger connected via a piping are connected to each other via a liquid refrigerant piping and a gas refrigerant piping so as to form a refrigerating cycle, a flow in the liquid refrigerant piping in the refrigerating cycle is made to be a two-phase flow at all times while the refrigerating cycle is in operation and a moisture absorbing means is provided in this two-phase flow. An operating refrigerant is an HFC series refrigerant which protects the global environment, and the lubricant such as of ester series is used for a working fluid. Since the moisture absorbing means is provided in the air/liquid two-phase flow, it is possible to separate functions in such a manner that moisture is absorbed in the liquid phase, while gas is allowed to flow quickly, thereby making it possible to obtain an air conditioner which experiences low pressure loss and is highly reliable and a moisture removing device for use with the air conditioner. <IMAGE>

IPC 1-7

**F25B 43/00**; **F25B 1/00**; **F25B 13/00**

IPC 8 full level

**F25B 1/00** (2006.01); **F25B 13/00** (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP)

**F25B 13/00** (2013.01); **F25B 43/003** (2013.01)

Citation (search report)

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