

Title (en)  
Environmental control system.

Title (de)  
Regeleinrichtung für die Luftklimatisierung.

Title (fr)  
Système de réglage pour conditionnement d'air.

Publication  
**EP 0040529 A2 19811125 (EN)**

Application  
**EP 81302179 A 19810515**

Priority  
GB 8016457 A 19800519

Abstract (en)  
An environmental control system, preferably for a swimming pool hall, has four control modes, namely dry bulb air temperature control, humidity control, controlled selection of fresh air intake in response to a comparison of enthalpies of the recirculated air and of the non-recirculated admitted air, and control of the condensing pressure of refrigerant in a heat pump system. The air conditioning system comprises a heat pump system including a multi-stage switchable cooler (8); a multi-stage switchable heater (18); a hot water heat-exchanger (19); and a closed circuit "run around circuit" water system (7, 6, 16). The condenser (22) of the heat pump system uses the pool water as its heat sink.

IPC 1-7  
**F24F 11/08**; **F24F 3/00**; **F24F 3/14**; **F24F 5/00**

IPC 8 full level  
**F24F 3/00** (2006.01); **F24F 3/14** (2006.01); **F24F 3/153** (2006.01); **F24F 5/00** (2006.01); **F24F 11/08** (2006.01)

CPC (source: EP US)  
**F24F 3/001** (2013.01 - EP); **F24F 3/153** (2013.01 - EP); **F24F 5/0071** (2013.01 - EP); **F24F 11/30** (2017.12 - EP); **F24F 11/32** (2017.12 - EP US)

Cited by  
WO2007095984A1; EP1857744A3; CN106766026A; CN104456732A; CN114857680A; CN107101286A; CN102155773A; EP0269399A3; US5461877A; CN102418966A; CN112254195A; WO2011079371A1; DE102006007848B4; TWI596462B

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