

Title (en)  
PORTABLE AIR CONDITIONER

Title (de)  
TRAGBARE KLIMAAANLAGE

Title (fr)  
CONDITIONNEUR D'AIR PORTATIF

Publication  
**EP 1787073 A1 20070523 (EN)**

Application  
**EP 04810745 A 20041109**

Priority  
• US 2004037646 W 20041109  
• US 93592404 A 20040907

Abstract (en)  
[origin: WO2006028473A1] An apparatus and method for cooling air that utilizes a removable reservoir that may be filled with a consumable beverage or other cooled liquid or solid material. The bottom of the reservoir is made of a thermally conductive material that is placed within an air duct within a base unit that has a battery powered fan capable of drawing in warm air from outside of the base unit and cooling it by passing it over the thermally conductive material in a turbulent fashion and expelling it back into the surrounding environment. An expandable hose may also be included to direct the airflow in a desired direction or location. The unit may also include an alternative path for airflow such that the airflow may be heated. The unit may also be secured to an open air vehicle such as a golf cart to provide cooled or heated air for golf course patrons. Another important feature of the air conditioner is to provide a means to prevent unauthorized access to the contents of the reservoir as to prevent contamination of its contents.

IPC 8 full level  
**F25D 3/02** (2006.01); **F24F 1/04** (2011.01); **F25D 3/08** (2006.01); **F25D 17/02** (2006.01); **F25D 17/04** (2006.01); **F25D 17/06** (2006.01)

CPC (source: EP)  
**F24F 1/04** (2013.01); **F24F 5/0017** (2013.01); **A45C 11/20** (2013.01); **F24F 2221/38** (2013.01); **Y02E 60/14** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL HR LT LV MK

DOCDB simple family (publication)  
**WO 2006028473 A1 20060316**; AU 2004286713 A1 20060323; CN 1833146 A 20060913; EP 1787073 A1 20070523; EP 1787073 A4 20090218; JP 2008512632 A 20080424

DOCDB simple family (application)  
**US 2004037646 W 20041109**; AU 2004286713 A 20041109; CN 200480022640 A 20041109; EP 04810745 A 20041109; JP 2007529806 A 20041109