

Title (en)  
DESICCANT BASED HUMIDIFICATION/DEHUMIDIFICATION SYSTEM

Title (de)  
BEFEUCHTUNGS-UND ENTFEUCHTUNGSVERFAHREN MIT TROCKNUNGSMITTEL

Title (fr)  
SYSTEME D'HUMIDIFICATION/DE DESHUMIDIFICATION FAISANT APPEL A UN AGENT DESHYDRATANT

Publication  
**EP 0809776 A1 19971203 (EN)**

Application  
**EP 96911199 A 19960209**

Priority  
• US 9602184 W 19960209  
• US 38814095 A 19950213

Abstract (en)  
[origin: WO9625636A1] An apparatus and method for automatically regulating the environmental system of a motorized vehicle (V) and other articles having storage compartments. As impinging air flow is directed through the cabin or compartment subject to environmental control it comes in contact with a desiccant filler contained within a desiccant wheel (21) or canister. The desiccant material absorbs moisture out of the air stream. The resultant air stream, or the extracted moisture released into another air stream, may then be directed to the interior of the motorized vehicle or used in other parts of the system. The net effect is a decrease of increase in the relative humidity level of the air mass contained in the cabin or compartment of a motorized vehicle or refrigeration unit.

IPC 1-7  
**F25D 17/08**; **B60H 3/00**

IPC 8 full level  
**B60H 3/00** (2006.01); **B60H 3/02** (2006.01); **B64D 13/00** (2006.01); **F24F 3/14** (2006.01)

CPC (source: EP)  
**B60H 3/02** (2013.01); **B60H 3/024** (2013.01); **B64D 13/00** (2013.01); **F24F 3/1411** (2013.01); **F24F 3/1423** (2013.01); **B60H 2003/028** (2013.01); **B60H 2003/0691** (2013.01); **F24F 2003/144** (2013.01); **F24F 2003/1464** (2013.01); **F24F 2203/1004** (2013.01); **F24F 2203/1012** (2013.01); **F24F 2203/1016** (2013.01); **F24F 2203/1032** (2013.01); **F24F 2203/104** (2013.01); **F24F 2203/1048** (2013.01); **F24F 2203/1052** (2013.01); **F24F 2203/1068** (2013.01); **F24F 2203/1084** (2013.01); **Y02T 50/40** (2013.01); **Y02T 50/50** (2013.01)

Citation (search report)  
See references of WO 9625636A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9625636 A1 19960822**; AU 5415896 A 19960904; EP 0809776 A1 19971203; JP H11500081 A 19990106

DOCDB simple family (application)  
**US 9602184 W 19960209**; AU 5415896 A 19960209; EP 96911199 A 19960209; JP 52518796 A 19960209