

Title (en)  
Dehumidifying apparatus

Title (de)  
Entfeuchtungsvorrichtung

Title (fr)  
Appareil de déhumidification

Publication  
**EP 1669687 A3 20070815 (EN)**

Application  
**EP 05018232 A 20050823**

Priority  
KR 20040102375 A 20041207

Abstract (en)  
[origin: EP1669687A2] A dehumidifying apparatus is provided. The dehumidifying apparatus includes a desiccant dehumidifying unit, a recovery channel (20) disposed to pass air through a first section (32) of the desiccant dehumidifying unit, for evaporating and condensing moisture of the desiccant dehumidifying unit. A first inlet channel (8) is disposed to pass through a second section (31) of the desiccant dehumidifying unit, for allowing air to flow therethrough and eliminating moisture from the air. A second inlet channel (9) is disposed to directly introduce external air to pass through a third section (33) of the desiccant dehumidifying unit, for recovering heat of the desiccant dehumidifying unit.

IPC 8 full level  
**F24F 3/14** (2006.01)

CPC (source: EP KR US)  
**F24F 3/14** (2013.01 - KR); **F24F 3/1411** (2013.01 - EP US); **F24F 3/1423** (2013.01 - EP US); **F24F 2003/144** (2013.01 - EP US);  
**F24F 2203/1032** (2013.01 - EP US); **F24F 2203/1056** (2013.01 - EP US); **F24F 2203/1068** (2013.01 - EP US); **F24F 2203/1088** (2013.01 - EP US)

Citation (search report)

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- [Y] JP 2004003844 A 20040108 - SHARP KK
- [XY] US 5502975 A 19960402 - BRICKLEY STEPHEN C [US], et al
- [Y] JP 2000337661 A 20001208 - SHARP KK

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EP3022352A4; EP1923642A1; US10316461B2

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

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1669687 A2 20060614**; **EP 1669687 A3 20070815**; CN 1786596 A 20060614; KR 100655015 B1 20061206; KR 20060063255 A 20060612;  
US 2006117780 A1 20060608

DOCDB simple family (application)  
**EP 05018232 A 20050823**; CN 200510109603 A 20050914; KR 20040102375 A 20041207; US 22502805 A 20050914