

Title (en)  
Dehumidifier

Title (de)  
Entfeuchter

Title (fr)  
Déshumidificateur

Publication  
**EP 2159503 A2 20100303 (EN)**

Application  
**EP 09250597 A 20090302**

Priority  
KR 20080084046 A 20080827

Abstract (en)  
The present invention provides a dehumidifier, including a main body (1) in which air intake units (34) and an air discharge unit are formed, a front panel (10) configured to include a filter for purifying indoor air sucked-in by the air intake units, and detachably coupled to the main body through locking projections (12) formed in the front panel, a desiccant rotor (45) for dehumidifying the indoor air passing through the filter, and detachable members (20) provided in the main body (1) and configured to bind the locking projections (12) when the front panel (10) is coupled to the main body (1). Accordingly, the front panel (10) can be conveniently coupled to the main body (1) in one operation. Further, in the case where a user detaches the front panel (10) from the main body (1) in order to replace the filter, the user can conveniently detach the front panel from the main body by applying external force to the detachable members (20).

IPC 8 full level  
**F24F 13/20** (2006.01); **F24F 3/14** (2006.01); **F24F 13/28** (2006.01)

CPC (source: EP KR)  
**F24F 3/14** (2013.01 - KR); **F24F 3/1423** (2013.01 - EP); **F24F 13/20** (2013.01 - EP); **F24F 13/28** (2013.01 - EP); **F24F 2203/1012** (2013.01 - EP); **F24F 2221/125** (2013.01 - EP)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2159503 A2 20100303**; **EP 2159503 A3 20120411**; CN 101658753 A 20100303; KR 20100025332 A 20100309

DOCDB simple family (application)  
**EP 09250597 A 20090302**; CN 200910007204 A 20090213; KR 20080084046 A 20080827