

Title (en)  
Dehumidifier having dehumidifying rotor

Title (de)  
Entfeuchter mit Entfeuchtungsrotor

Title (fr)  
Déshumidificateur doté d'un rotor de déshumidification

Publication  
**EP 2116783 A2 20091111 (EN)**

Application  
**EP 09250607 A 20090303**

Priority  
• KR 20080042162 A 20080507  
• KR 20080042166 A 20080507

Abstract (en)  
Disclosed herein is a dehumidifier having a dehumidifying rotor, the dehumidifier comprising a main body 2 including an air suction portion 4 and an air discharge portion 6; a blower 50 sucking indoor air through the air suction portion 4 such that the sucked indoor air passes through the main body 2 and is then discharged through the air discharge portion 6; a dehumidifying rotor 60 rotatably arranged in the main body 2 and including a desiccant 61 containing meso-silica and a desiccant wheel 62 surrounding the circumference of the desiccant 61 and connected to the desiccant 61; a dehumidifying rotor rotating device 84 rotating the dehumidifying rotor 60; and regeneration devices 90, 100, 110, and 120 regenerating the dehumidifying rotor 60, thus providing advantages such as high dehumidification performance and low power consumption.

IPC 8 full level  
**F24F 3/14** (2006.01); **F24F 1/0083** (2019.01)

CPC (source: EP US)  
**F24F 1/0083** (2019.01 - EP US); **F24F 3/1423** (2013.01 - EP); **F24F 2221/125** (2013.01 - EP)

Citation (applicant)  
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Cited by  
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