

Title (en)  
Dehumidifier

Title (de)  
Entfeuchter

Title (fr)  
Déshumidificateur

Publication  
**EP 2159499 B1 20110921 (EN)**

Application  
**EP 09250622 A 20090304**

Priority  
KR 20080084066 A 20080827

Abstract (en)  
[origin: EP2159499A1] The present invention relates to a dehumidifier, including a dehumidification rotor (30) which becomes moist while indoor air passes through the dehumidification rotor and which is reconditioned while reconditioning air passes through the dehumidification rotor, and a heat exchange plate (120), comprising a plurality of introduction units (122, 124) into which the reconditioning air passed through the dehumidification rotor is dispersed and introduced, a plurality of reconditioning air ducts (126) in which the reconditioning air passed through the introduction units is dispersed and circulated, indoor air ducts (128) formed between the respective reconditioning air ducts, and a discharge unit (134) configured to discharge the reconditioning air passing through the reconditioning air ducts. According to the present invention, the flow of fluid within the condensing heat exchanger becomes uniform, and a heat exchange area is widened. Accordingly, the dehumidification capability of a dehumidifier can be improved and noise, generated when a dehumidifier is driven, can be reduced.

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

CPC (source: EP KR)  
**F24F 3/14** (2013.01 - KR); **F24F 3/1423** (2013.01 - EP); **F24F 2203/1012** (2013.01 - EP); **F24F 2203/1068** (2013.01 - EP);  
**F24F 2203/1084** (2013.01 - EP)

Designated contracting state (EPC)  
ES FR IT

DOCDB simple family (publication)  
**EP 2159499 A1 20100303**; **EP 2159499 B1 20110921**; CN 101658755 A 20100303; CN 101658755 B 20121205; ES 2369646 T3 20111202;  
KR 101535143 B1 20150708; KR 20100025350 A 20100309

DOCDB simple family (application)  
**EP 09250622 A 20090304**; CN 200910007221 A 20090213; ES 09250622 T 20090304; KR 20080084066 A 20080827