

Title (en)  
DEODORIZING APPARATUS AND REFRIGERATOR INCLUDING THE SAME

Title (de)  
DESODORISIERUNGSVORRICHTUNG UND KÜHLSCHRANK DAMIT

Title (fr)  
APPAREIL DÉSODORISANT ET RÉFRIGÉRATEUR COMPRENANT CELUI-CI

Publication  
**EP 3692317 B1 20230510 (EN)**

Application  
**EP 18878131 A 20181113**

Priority  
• JP 2017221243 A 20171116  
• JP 2018091524 A 20180510  
• KR 20180114136 A 20180921  
• KR 2018013831 W 20181113

Abstract (en)  
[origin: JP2019088762A] To provide a technique capable of being used even in an environment in which a low temperature has to be maintained.SOLUTION: A deodorization device includes: a fan 10 generating air flow; an adsorbent 20 disposed at a downstream side of the fan 10 for adsorbing odorants in passing air and desorbing the odorants by heating; an upstream side heater 30 disposed at a downstream side of the fan 10 and an upstream side of the adsorbent 20 for heating the air flowing into the adsorbent 20; a catalyst 50 for decomposing the odorants desorbed from the adsorbent 20; and a cooling part 70 for cooling the air having passed through the catalyst 50.SELECTED DRAWING: Figure 1

IPC 8 full level  
**F25D 17/04** (2006.01); **A61L 9/014** (2006.01); **A61L 9/16** (2006.01); **F25B 21/02** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP)  
**F25D 17/042** (2013.01); **F25D 17/045** (2013.01); **F25D 2317/0415** (2013.01); **F25D 2400/02** (2013.01)

Citation (examination)  
US 6358374 B1 20020319 - OBEE TIMOTHY N [US], et al

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
EP 3692317 A1 20200812; EP 3692317 A4 20201111; EP 3692317 B1 20230510; JP 2019088762 A 20190613

DOCDB simple family (application)  
EP 18878131 A 20181113; JP 2018091524 A 20180510