

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2562495 A3 20130313 (EN)

Application
EP 12181277 A 20120822

Priority
CN 201110252375 A 20110824

Abstract (en)
[origin: EP2562495A2] A refrigerator is provided. The refrigerator includes a storage space (2), capable of maintaining a low-pressure state; a vacuum pump (3); an air evacuation path (4), connected between the storage space (2) and the vacuum pump (3); a bypass (5), connected to the air evacuation path (4), where when the vacuum pump (3) is in work, the bypass (5) is closed, while when the vacuum pump (3) finishes work, the bypass (5) is opened to transport external air to the air evacuation path (4); and an electromagnetic valve (7), for opening or closing the bypass (5). According to the suggestion, after the vacuum pump (3) finishes work, the electromagnetic valve (7) is powered on and opens the bypass (5); and after a preset time, the electromagnetic valve (7) is powered off, so that the bypass (5) is closed and remains closed until next time the vacuum pump (3) finishes work.

IPC 8 full level
F25D 17/04 (2006.01)

CPC (source: EP)
F25D 17/042 (2013.01); **F25D 2317/043** (2013.01)

Citation (search report)

- [AD] WO 2009000724 A1 20081231 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- [A] JP H04131674 A 19920506 - HITACHI LTD
- [A] US 6090422 A 20000718 - TARAGAN ARIE [US], et al

Cited by
CN109527849A; EP4050286A1; BE1029139B1; EP3006871B1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2562495 A2 20130227; EP 2562495 A3 20130313; EP 2562495 B1 20160203; CN 102954642 A 20130306; CN 102954642 B 20160615; PL 2562495 T3 20160729

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EP 12181277 A 20120822; CN 201110252375 A 20110824; PL 12181277 T 20120822