

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2738498 A2 20140604 (EN)

Application
EP 13194636 A 20131127

Priority
CN 201220666898 U 20121201

Abstract (en)
Disclosed is a refrigerator. The refrigerator includes a storage space (2) capable of keeping a low-pressure state; a vacuum pump (3), including a pump body (31) for defining a pump cavity (30), an air inlet (321, 322) communicating with the pump cavity (30), an air outlet (331, 332) communicating with the pump cavity (30), a piston (36) accommodated in the pump cavity (30), and a driving device for driving the piston (36) to move in the pump cavity (30); and an air exhaust path (4), connected to the storage space (2) and the air inlet (321, 322). As suggested, the driving device includes a coil (381, 382), wherein the coil is capable of generating an electromagnetic force for driving the piston to move in the pump cavity, so as to suck air in the storage space into the pump cavity via the air inlet and discharge air out of the pump cavity via the air outlet.

IPC 8 full level
F25D 17/04 (2006.01)

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

Citation (applicant)
• CN 101331970 B 20110427 - BSH ELEC APPLIANCES JIANGSU CO
• CN 200910028963 A 20090123

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 2738498 A2 20140604; **EP 2738498 A3 20170215**; CN 203286843 U 20131113

DOCDB simple family (application)
EP 13194636 A 20131127; CN 201220666898 U 20121201