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(54) Refrigerator

(57) 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.

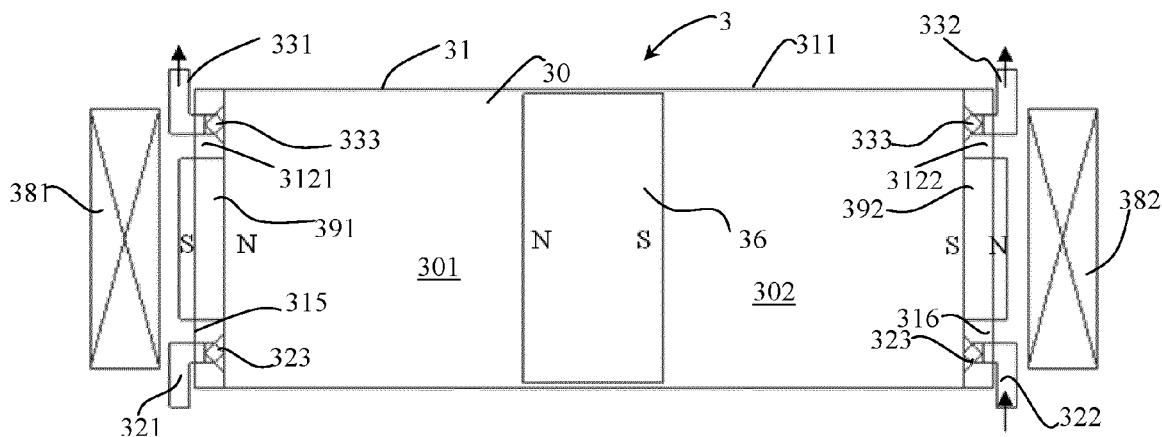


FIG. 2



EUROPEAN SEARCH REPORT

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
Y	EP 1 338 794 A1 (WHIRLPOOL CO [US]) 27 August 2003 (2003-08-27) * paragraphs [0001] - [0022]; claim 12; figures 1-3 * -----	1-14	INV. F25D17/04		
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			F25D		
The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
The Hague	9 January 2017	Kolev, Ivelin			
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone	T : theory or principle underlying the invention				
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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