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(54) **A phase-change material that can be used both inside fridges and carrying bags**

(57) The invention is related to a cooling system comprising a household refrigerator (100) comprising an evaporator (1) that creates a cooling effect, a condenser (2) that releases out the heat during the cooling cycle, a compressor (3) that compresses the refrigerant to the condenser (2) pressure and -carrying bag (9), phase

change material (8) which transfers the heat it has stored to the freezer (4) by being placed inside the lidded (4) section (7) formed on the freezer's (4) door of the refrigerator (100) and which cools the food products present in said insulated carrying bag (9), by being placed in the insulated carrying bag (9).

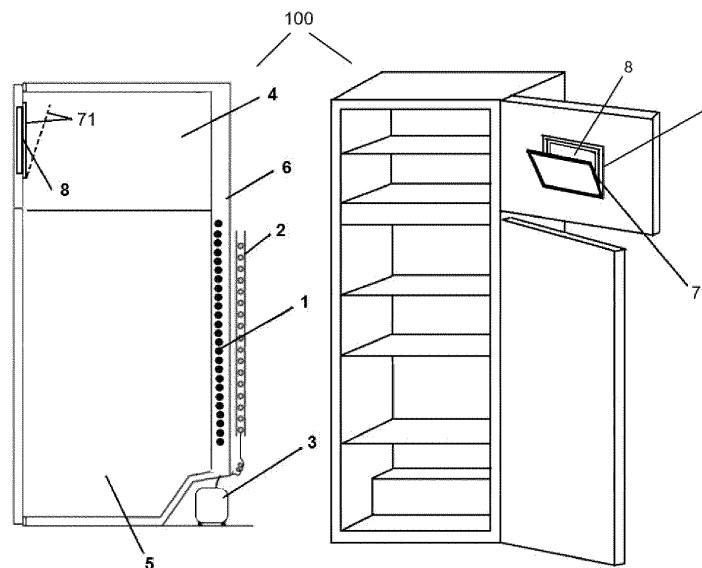


Figure 1

Figure 2

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EUROPEAN SEARCH REPORT

Application Number
EP 14 16 9213

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			F25D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 February 2015	Examiner Yousufi, Stefanie
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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