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(54) **Improved refrigerator cooling system**

(57) The present invention refers to an improved cooling system for a refrigerator, preferably a domestic refrigerator, comprising a cell in which is located at least one compartment for the storage of food below freezing point, with said compartment being cooled using at least one wire tube evaporator arranged on at least one wall of said cell. It is provided for according to the invention that a wire tube evaporator (3, 4, 5) arranged inside said cell (1) is hydraulically connected to a tube evaporator (7), which extends in a manner similar to a coil (6) along the outer periphery of said cell (1).

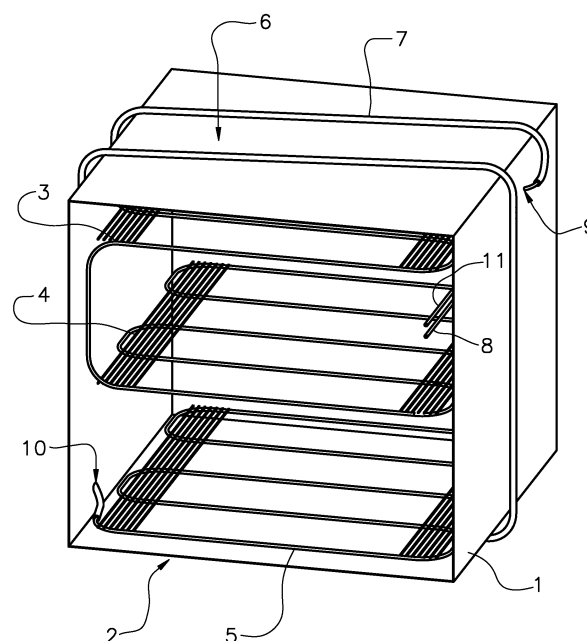


Fig. 1



EUROPEAN SEARCH REPORT

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EPO FORM 1503 03.02 (P04C01)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 541 944 A1 (INDESIT CO SPA [IT]) 15 June 2005 (2005-06-15) * paragraph [0025] - paragraphs [0033], [0047], [0048]; figures 1-3 *	1-5	INV. F25D23/06
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			TECHNICAL FIELDS SEARCHED (IPC)
			F25D F25B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 18 October 2016	Examiner Jessen, Flemming
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			

**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
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18-10-2016

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