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(54) **Fridge and freezer unit, method for controlling a compressor in a fridge and freezer unit and control circuit for such a compressor**

(57) A fridge and freezer unit (1) is described which comprises a freezing chamber (2) and a refrigeration chamber (3) and a cooling system with a variable-speed compressor (6) which is connected with a cooling circuit which has a cooling surface (11,12) in each storage chamber. In order to have an individual energy economic cooling which is in balance depending on the cooling demand which exists in the refrigeration chamber (3) and the freezing chamber (2), a temperature meter is arranged in the refrigeration chamber which is used to turn on and off the variable-speed compressor (6) and a temperature meter in the freezing chamber (2) which is intended for regulating the number of revolutions for the compressor (6).

With this construction it is possible to regulate the temperature balance of the cooling surfaces (11,12), and accordingly, the cooling effect in each of the chambers (2,3).

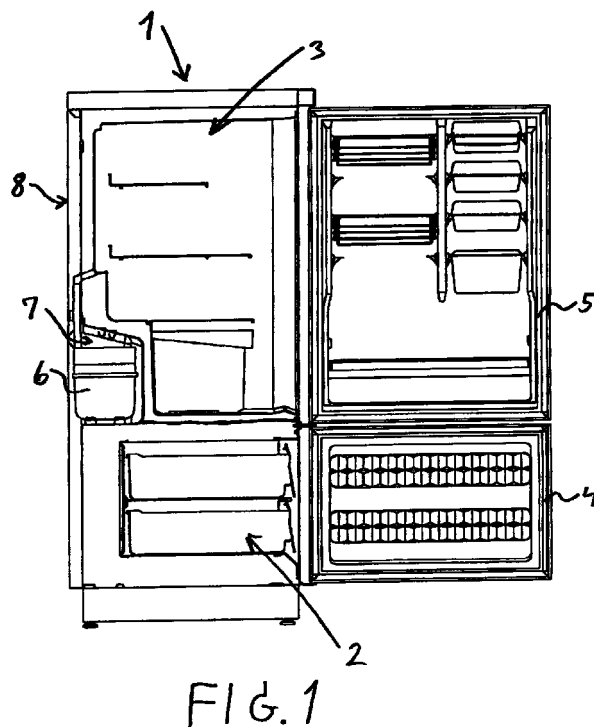


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 98 10 2408

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Place of search THE HAGUE		Date of completion of the search 20 September 2000	Examiner Busuiocescu, B
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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