

Title (en)  
Method for controlling a refrigerating appliance

Title (de)  
Verfahren zur Regelung einer Kühlanlage

Title (fr)  
Procédé de contrôle d'un appareil frigorifique

Publication  
**EP 2770282 A1 20140827 (EN)**

Application  
**EP 14155890 A 20140220**

Priority  
IT TO20130143 A 20130221

Abstract (en)  
A method for controlling a refrigerating appliance, the latter comprising: a refrigerating cell (10) and a freezing cell (20); a refrigerating circuit (30) comprising: at least a first and a second evaporators (E1, E2), respectively associated with said refrigerating cell and with said freezing cell (10, 20); a switching device (EV) drivable between a first operating condition, in which it allows a cooling both of said first evaporator (E1), and of said second evaporator (E2), and a second operating condition, in which it only allows cooling of said second evaporator (E2). The method comprises: detecting a parameter representative of a command of activation of said refrigerating circuit (30); detecting one or more operating parameters representative of operating conditions of said refrigerating cell (10) and/or of said freezing cell (20) and defining an initial situation; based on said operating parameters, determining one condition, between said first and second operating conditions of said switching device (EV), which is suitable for said detected initial situation; carrying out a main verification step in order to verify an anomaly in the cooling provided by said refrigerating circuit (30) after its activation; if said anomaly is detected, sending a main signal (S) to said switching device (EV) in order to switch said switching device (EV) into said suitable condition.

IPC 8 full level  
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Citation (search report)

- [X] US 6497113 B1 20021224 - YAMADA HIROSHI [JP], et al
- [A] EP 1418392 A2 20040512 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] EP 0987504 A1 20000322 - TOSHIBA KK [JP]
- [A] FR 2600150 A1 19871218 - ELBI INT SPA [IT]
- [A] EP 1344997 A1 20030917 - MATSUSHITA REFRIGERATION [JP]

Cited by  
EP3446899A1; EP4083546A1

Designated contracting state (EPC)  
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