

Title (en)

Refrigerator and method for operating a refrigerator

Title (de)

Kühlschrank und Verfahren zum Betreiben des Kühlschranks

Title (fr)

Réfrigérateur et son procédé de fonctionnement

Publication

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Application

EP 09382181 A 20090924

Priority

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Abstract (en)

The invention refers to a refrigerator including a refrigerator control (11, 32) which comprises at least one sensor (8, 14, 16) for detecting at least one operational parameter, e.g. cooling compartment temperature (T C), and at least one sensor (27) for detecting at least one product parameter (P) of products (A, B) introduced into said refrigerator. According to the invention said refrigerator control (11, 32) comprises an analyzing unit (33) by which the refrigeration power of said refrigerator can be configured on the basis of a combination of said product and operational parameters (P, T C , T A , S D). The analyzing unit is also able to inform the user about noticeable events such as oversights, relevant product information, refrigerator malfunctioning, relevant changes in product stock and relevant changes in user behavior.

IPC 8 full level

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Citation (applicant)

- KR 100837050 B1 20080612 - DAEWOO ELECTRONICS CORP [KR]
- JP 2008242911 A 20081009 - HITACHI SOFTWARE ENG
- KR 20070116335 A 20071210 - DAEWOO ELECTRONICS CORP [KR]
- CN 101071015 A 20071114 - TAIZHOU LG ELECT REFRIGERATOR [CN]
- KR 20070091390 A 20070911 - LG INNOTEK CO LTD [KR]
- US 2007236357 A1 20071011 - GLIELMO LUIGI [IT], et al
- WO 2007115794 A1 20071018 - SMARTFREEZE S R L [IT], et al
- KR 20070006641 A 20070111 - JANG JIN SEOK [KR]
- KR 20060119580 A 20061124 - SON GWANG BEOM [KR]
- KR 20060008784 A 20060127 - DAEWOO ELECTRONICS CORP [KR]
- KR 20060104353 A 20061009 - LG ELECTRONICS INC [KR]
- KR 20060081809 A 20060713 - SAMSUNG ELECTRONICS CO LTD [KR]
- KR 100625472 B1 20060920
- EP 1726899 A1 20061129 - LG ELECTRONICS INC [KR]
- US 2007016852 A1 20070118 - KIM YONG T [KR], et al
- KR 20060122596 A 20061130 - LG ELECTRONICS INC [KR]
- KR 100673707 B1 20070124
- KR 20060111008 A 20061026 - LG ELECTRONICS INC [KR]
- KR 100660697 B1 20061221
- KR 20050092259 A 20050921 - SAMSUNG ELECTRONICS CO LTD [KR]
- KR 20050077657 A 20050803 - KT CORP [KR]

Citation (search report)

- [XDAYI] EP 1726899 A1 20061129 - LG ELECTRONICS INC [KR]
- [Y] WO 2008129519 A2 20081030 - BACON BRIAN [ZA], et al
- [XAI] WO 2007096698 A1 20070830 - INDESIT CO SPA [IT], et al
- [X] WO 2004111561 A1 20041223 - BRATYA VASSILEVI AD [BG], et al
- [X] EP 1808659 A2 20070718 - SAMSUNG ELECTRONICS CO LTD [KR]
- [X] JP 2004198043 A 20040715 - MATSUSHITA ELECTRIC IND CO LTD

Cited by

CN107257908A; GB2556244A; GB2556244B; US2018137462A1; US11042840B2; US9879892B2; US9916528B2; WO2016131609A1; WO2014183857A1; WO2016131611A1; WO2016210056A1

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