

Title (en)

Absorption refrigerator unit with temperature and level monitoring

Title (de)

Absorptionskälteanlage mit Temperatur- und Füllstandsüberwachung

Title (fr)

Unité de réfrigérateur d'absorption avec surveillance de température et de niveau

Publication

EP 2447630 A3 20150114 (EN)

Application

EP 11008627 A 20111027

Priority

- US 40796110 P 20101029
- US 201113279361 A 20111024

Abstract (en)

[origin: EP2447630A2] A control system 50 for a refrigerator 10 having an absorption cooling arrangement 12 and a generator 18 can include a temperature sensor 94 associated with the generator 18 and operable to sense a temperature of the cooling arrangement 12, a level sensor 98 associated with the refrigerator 10 and operable to sense a level condition of the cooling arrangement 12, and a heat source operably associated with at least the generator 18. A control circuit can include a processor 62 and can be in communication with at least the temperature sensor 94, the level sensor 98 and the heat source, and can be configured to determine a sensed temperature from the temperature sensor 94 and a sensed level condition from the level sensor 98. The control circuit can be configured to turn off the heat source based on determining the sensed temperature is below a first predetermined threshold or based at least in part on determining the sensed level condition exceeds a second predetermined threshold.

IPC 8 full level

F25B 15/04 (2006.01); **F25B 49/04** (2006.01); **F25D 11/02** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)

F25B 15/04 (2013.01 - EP US); **F25B 49/043** (2013.01 - EP US); **F25D 11/027** (2013.01 - EP US); **F25D 29/00** (2013.01 - EP US); **F25B 2600/05** (2013.01 - EP US); **F25B 2700/04** (2013.01 - EP US)

Citation (search report)

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- [A] DE 10161181 A1 20030717 - BUDERUS HEIZTECHNIK GMBH [DE]
- [A] US 5371665 A 19941206 - QUISENBERRY TONY M [US], et al

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EP3355001A1; US9533982B2; US9844542B2; US9550778B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 11008627 A 20111027; US 201113279361 A 20111024