

Title (en)
Refrigeration and/or freezer device

Title (de)
Kühl- und/oder Gefriergerät

Title (fr)
Appareil de réfrigération et/ou de congélation

Publication
EP 2631577 A3 20150812 (DE)

Application
EP 13001008 A 20130227

Priority
• DE 102012003906 A 20120227
• DE 102012005782 A 20120321

Abstract (en)
[origin: EP2631577A2] The apparatus has a refrigerant circuit comprising a vaporizer for refrigeration of a cooled compartment. The vaporizer is partially arranged in the compartment or provided in heat conducting contact with the compartment. An emissivity reducing unit and radiation screens (60) are partially or completely provided in walls of the compartment, a compartment element and/or outer walls of an apparatus body (10). The reducing unit reduces emissivity of the wall of the compartment. The screens partially reflect a thermal radiation from the wall, a component and/or a cooled inner space (20). The vaporizer is designed as a roll bond vaporizer. The apparatus comprises a base material with additives selected from metals, plastics, ceramics or metal oxides.

IPC 8 full level
F25D 23/06 (2006.01); **F25D 23/00** (2006.01)

CPC (source: EP)
F25D 23/00 (2013.01); **F25D 23/065** (2013.01)

Citation (search report)
• [XAI] DE 3130458 A1 19820311 - LICENTIA GMBH [DE]
• [X] FR 638201 A 19280519 - CHICAGO PNEUMATIC TOOL CO
• [X] DE 595010 C 19340326 - PLATEN MUNTERS REFRIG SYST AB
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• [X] DE 7807672 U1 19780622
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• [A] US 4035608 A 19770712 - STROMQUIST MICHAEL EBAN, et al
• [X] AFONSO C ET AL: "The effect of radiation shields around the air condenser and compressor of a refrigerator on the temperature distribution inside it", INTERNATIONAL JOURNAL OF REFRIGERATION, ELSEVIER, PARIS, FR, vol. 29, no. 7, 1 November 2006 (2006-11-01), pages 1144 - 1151, XP027948418, ISSN: 0140-7007, [retrieved on 20061101]

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EP3633192A1

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)
EP 2631577 A2 20130828; EP 2631577 A3 20150812; EP 2631577 B1 20170628; DE 102013003277 A1 20130829; ES 2641362 T3 20171108

DOCDB simple family (application)
EP 13001008 A 20130227; DE 102013003277 A 20130227; ES 13001008 T 20130227