

Title (en)
Isothermal container with cold storage

Title (de)
Isothermischer Behälter mit Kältespeicher

Title (fr)
Conteneur isotherme avec réserve de frigories

Publication
EP 0823600 B1 20010321 (FR)

Application
EP 97420131 A 19970728

Priority
FR 9609850 A 19960730

Abstract (en)
[origin: EP0823600A2] The cabinet (2) is of double-skinned, insulant-filled construction. The drawer (4), with similar front (12) and base (10), slides on internal grooves (3) above the storage zone (B), recesses (16) receiving the drawer front. Its rear edge (14) enters a similar groove (8). All grooves have flexible seals (15). Liquid CO₂, injected through a filler (27) into the bag (26), which is restrained by a wire cage (17), forms a cryogenic mass of carbonic acid snow. Sublimed CO₂ gas passes through the bag into an expansion zone (D) with draw-off conduit (29). After filling, entry and exit holes (27,29) are plugged. Optionally, the cage has a metal floor over a sliding panel, which is removed when frozen food is to be stored. Other variants are described.

IPC 1-7
F25D 3/12

IPC 8 full level
F25D 3/12 (2006.01)

CPC (source: EP)
F25D 3/125 (2013.01)

Cited by
EP1798147A1; EP0863374A3; DE102009043634B4; EP2645024A1; EP0942244A1; FR2776056A1; DE102005059627B3; BE1020015A5; EP1724538A1; FR2886002A1; FR2829567A1; EP1291594A3; FR2891354A1; EP1186842A1; FR2813952A1; FR2780145A1; EP3244144A1; FR2839774A1; US6427481B1; EP3246642A1; DE102009043634A1; EP2368845A1; FR2836543A1; WO2007036656A1; WO9967585A1; WO2007004249A3; WO2012107518A3; WO2012107518A2; DE102012002403A1; DE102012002403A9; WO2012052638A1; US9227741B2; EP1934537B1

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