

Title (en)
Vacuum drying cabinet

Title (de)
Vakuum-Trockenschrank

Title (fr)
Armoire de séchage à vide

Publication
EP 0745818 B1 20020306 (DE)

Application
EP 96108046 A 19960521

Priority
DE 19518996 A 19950529

Abstract (en)
[origin: EP0745818A2] A vacuum drying cupboard incorporates shelves constructed as heat exchangers which maintain the temp. at a required level. The upper and lower shelf panels are sheet metal. Adjacent upper and lower shelves are joined by their ends and the cavity within each shelf contg. the heat transfer fluid medium is sub-divided into sections by intermediate structures. The novelty is that (a) the ends (11-14) of the upper shelf face (5) metal panel and the lower face (6) metal panel are extended to form side-strips, (b) that the end edges (11,13) of each upper panel (5) and the end-edges (12,14) of the lower panel (6) contact the neighbouring heating/cooling surface (4) to form a vacuum-tight join, (c) the outer upper panel (5') and the outer lower panel (6') are fabricated without any significant side-strip, (d) the depressions (2-2''''') formed by the upper (5) and lower (6) panels and the side strips (11-14) are held by a frame (15,150) within the door (3,30) and together form a vacuum chamber.

IPC 1-7
F26B 5/04; **F26B 7/00**

IPC 8 full level
F26B 5/04 (2006.01); **F26B 7/00** (2006.01)

CPC (source: EP)
F26B 5/04 (2013.01); **F26B 5/044** (2013.01)

Cited by
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EP 0745818 A2 19961204; **EP 0745818 A3 19980520**; **EP 0745818 B1 20020306**; AT E214148 T1 20020315; DE 19518996 A1 19961205; DE 19518996 C2 19980219; DE 59608819 D1 20020411; DK 0745818 T3 20020527; ES 2173996 T3 20021101; PT 745818 E 20020731

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