

Title (en)
Insulating structure.

Title (de)
Isolierende Struktur.

Title (fr)
Structure isotherme.

Publication
EP 0261033 A1 19880323 (FR)

Application
EP 87402065 A 19870916

Priority
FR 8613061 A 19860918

Abstract (en)
The inner wall of this container is filled with plates of hard foam (14, 15, 17, 19, 21) and placed under vacuum. The foam acts as a spacer between the two inner (1) and outer (2) casings of the container and prevents their deformation through the action of pressure. Its adhesive bonding to the outer wall (16) makes it possible to render the structure self-supporting. Application to parallelepipedal vessels intended for the deep-freezing of food, by immersion in liquid nitrogen, and to covers for tunnels for deep-freezing food. <IMAGE>

Abstract (fr)
L'interparoi de ce récipient est rempli de plaques de mousse dure (14, 15, 17, 19, 21) et mis sous vide. La mousse sert d'entretoise entre les deux enveloppes intérieure (1) et extérieure (2) du récipient et empêche leur déformation sous l'effet de la pression. Son collage sur la paroi extérieure (16) permet de rendre la structure auto-portante. Application aux bacs parallélépipédiques destinés à la surgélation alimentaire par immersion dans l'azote liquide, et aux couvercles des tunnels de surgélation alimentaire.

IPC 1-7
B65D 81/38; F17C 13/00

IPC 8 full level
A23L 3/36 (2006.01); **B65D 81/38** (2006.01); **F17C 3/04** (2006.01); **F17C 13/00** (2006.01)

CPC (source: EP)
B65D 81/3823 (2013.01); **F17C 13/001** (2013.01); **F17C 2203/0333** (2013.01); **F17C 2203/0629** (2013.01)

Citation (search report)

- [X] US 3760971 A 19730925 - STERRETT E
- [Y] EP 0099574 A2 19840201 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [Y] US 2485647 A 19491025 - NORQUIST GLENN H
- [Y] FR 2285569 A1 19760416 - NIHON SOFLAN CHEM & ENG [JP]
- [A] US 3695483 A 19721003 - POGORSKI LOUIS A
- [A] EP 0022384 A1 19810114 - TECHNIGAZ [FR]

Cited by
FR2664240A1; EP0744580A1; FR2900135A1; NL2001023C2; US6632648B1; WO9632605A1; WO0244032A3; US7005181B2; US8071657B2; US8436061B2; US7521485B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0261033 A1 19880323; EP 0261033 B1 19910109; AT E59827 T1 19910115; AU 596216 B2 19900426; AU 7860887 A 19880324; CA 1318267 C 19930525; DE 3767257 D1 19910214; DK 164658 B 19920727; DK 164658 C 19921214; DK 485487 A 19880317; DK 485487 D0 19870916; ES 2021076 B3 19911016; FR 2604157 A1 19880325; FR 2604157 B1 19890901; GR 3001742 T3 19921123; JP S6392897 A 19880423; NZ 221814 A 19890106

DOCDB simple family (application)
EP 87402065 A 19870916; AT 87402065 T 19870916; AU 7860887 A 19870917; CA 547104 A 19870917; DE 3767257 T 19870916; DK 485487 A 19870916; ES 87402065 T 19870916; FR 8613061 A 19860918; GR 900400850 T 19910409; JP 23271387 A 19870918; NZ 22181487 A 19870915