

Title (en)

Vertical lift gate for closing a door opening of a cold room

Title (de)

Hubtor für den Abschluss einer Toröffnung eines Tiefkühl-Lageraumes

Title (fr)

Porte relevable pour la fermeture de l'ouverture de la porte d'une chambre froide

Publication

**EP 0949398 A3 20010328 (DE)**

Application

**EP 98117345 A 19980914**

Priority

DE 19815431 A 19980407

Abstract (en)

[origin: EP0949398A2] The door has wheels at the upper and lower ends running in pairs of guide rails on each side and raised and lowered by bands wound on drums on a motor driven shaft. Thermal seals at the four edges of the door are released by the profile of the guide rails. There are winding drums (12) for bands (14) holding counterweights (15).

IPC 1-7

**E05D 15/20**; **E05F 15/16**; **E05D 13/00**; **F25D 23/02**; **F25D 23/08**; **E04F 15/16**

IPC 8 full level

**E04F 15/16** (2006.01); **E05D 13/00** (2006.01); **E05D 15/20** (2006.01); **E05F 15/16** (2006.01); **F25D 23/02** (2006.01); **F25D 23/08** (2006.01); **F25D 13/00** (2006.01)

CPC (source: EP)

**E05D 15/20** (2013.01); **F25D 23/021** (2013.01); **F25D 23/087** (2013.01); **E05D 13/1207** (2013.01); **E05D 13/14** (2013.01); **E05F 15/665** (2015.01); **E05Y 2201/67** (2013.01); **E05Y 2900/102** (2013.01); **E05Y 2900/31** (2013.01); **E05Y 2900/40** (2013.01); **F25D 13/00** (2013.01)

Citation (search report)

- [Y] FR 2747182 A1 19971010 - CARDO DOOR CONTINENTAL BV [NL]
- [Y] US 2737781 A 19560313 - LOUIS GELFAND, et al
- [Y] US 5246053 A 19930921 - KRAEUTLER BERNARD [FR]
- [Y] DE 9414962 U1 19941103 - MAYSER GMBH & CO [DE]
- [A] US 2701896 A 19550215 - FRITZ RUDOLPH A
- [A] US 5129442 A 19920714 - WARNER ROBERT J [US]
- [A] US 5664396 A 19970909 - LYMAN BRUCE E [US], et al
- [A] WO 9318262 A1 19930916 - TROMPERT MICHEL NICOLAAS [NL]

Cited by

DE202008015265U1; EP1580385A1; EP3282077A1; DE102010062449A1; EP2460966A3; EP2460966A2; US8671622B2

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