(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 0 863 374 A3

# (12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
**23.09.1998 Bulletin 1998/39**

(43) Date of publication A2:
**09.09.1998 Bulletin 1998/37**

(21) Application number: **98830085.1**

(22) Date of filing: **20.02.1998**

(51) Int Cl.[6]: **F25D 3/12**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE**
Designated Extension States:
**AL LT LV MK RO SI**

(30) Priority: **05.03.1997 IT TO970179**

(71) Applicant: **MONETTI S.p.A.**
**I-12035 Racconigi (Cuneo) (IT)**

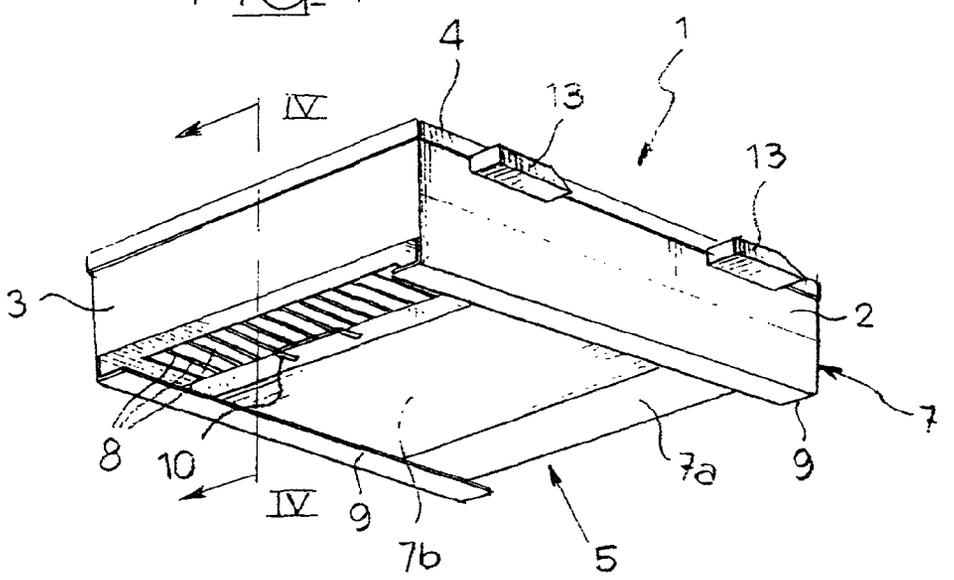
(72) Inventor: **Monetti, Giovanni**
**12030 Manta di Saluzzo (Cuneo) (IT)**

(74) Representative: **Buzzi, Franco et al**
**c/o Buzzi, Notaro & Antonielli d'Oulx Srl,**
**Corso Fiume, 6**
**10133 Torino (IT)**

## (54) Solid refrigerant reservoir for isothermal containers, particularly for the transportation of products under controlled temperature

(57) Solid refrigerant reservoir for isothermal containers, particularly for the transportation of products under controlled temperature, comprising a drawer (1) havinq a generally parallelepipedal design whose bottom wall (5) defines a cooling plate (6) following sublimation of the solid refrigerant contained within the drawer. The bottom wall (5) comprises a thermally insulating structure (7) arranged beneath the cooling plate (6) and havinq at least one movable portion (7b) so as to vary the amount of outwardly exposure of the cooling plate (6).

Fig. 1




EP 0 863 374 A3

European Patent Office

# EUROPEAN SEARCH REPORT

Application Number
EP 98 83 0085

## DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
|---|---|---|---|
| A | US 5 363 670 A (BARTILUCCI ANTHONY) 15 November 1994<br>* abstract; figures 1,2 *<br>* column 5, line 30 - column 12, line 18 * | 1 | F25D3/12 |
| A | US 1 893 483 A (BELT J S) 10 January 1933<br>* figures 1,2 *<br>* page 1, line 73 - page 2, line 126 * | 1 | |
| A | FR 995 434 A (GRENIER M) 5 December 1951<br>* the whole document * | 1 | |
| A | FR 1 024 493 A (JOUBERT R G C) 8 April 1953<br>* the whole document * | 1 | |
| P,A | EP 0 823 600 A (OLIVO) 11 February 1998<br>* abstract; figures 1-11 *<br>* column 4, line 33 - column 8, line 58 * | 1 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.6) |
| | | | F25D |

The present search report has been drawn up for all claims

| Place of search | Date of completion of the search | Examiner |
|---|---|---|
| THE HAGUE | 31 July 1998 | Nuytens, S |

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P04C01)