

Title (en)

APPARATUS DISPENSING RECHARGEABLE REFRIGERATING ELEMENTS

Title (de)

AUSGABEAUTOMAT FÜR WIDERAUFLADBARE KÜHLELEMENTE

Title (fr)

APPAREIL DISTRIBUTEUR D'ELEMENTS REFRIGERANTS RECHARGEABLES

Publication

EP 1269432 B1 20030917 (FR)

Application

EP 01914133 A 20010329

Priority

- FR 0003934 A 20000329
- IB 0100517 W 20010329

Abstract (en)

[origin: WO0173703A1] The invention concerns a dispensing apparatus (1) with high refrigerating power, for delivering to users refrigerating elements (10) capable of diffusing frigories over a relatively great lapse of time so as to avoid interrupting the cold chain, comprising an input and disinfecting module (2) arranged above the refrigerating and storage module (6). The input (4) and output (7) orifices of the refrigerating and storage module are located substantially in the same plane and in the upper part of said module which further includes third transfer means (9) designed to lift said refrigerating elements towards the output orifice.

IPC 1-7

G07F 9/10; G07F 11/36; G07F 7/06

IPC 8 full level

B65G 11/02 (2006.01); **B65G 11/20** (2006.01); **B65G 57/30** (2006.01); **B65G 60/00** (2006.01); **F25D 3/00** (2006.01); **F25D 13/06** (2006.01);
G07F 7/06 (2006.01); **G07F 9/10** (2006.01); **G07F 11/16** (2006.01); **G07F 11/32** (2006.01)

CPC (source: EP US)

G07F 7/06 (2013.01 - EP US); **G07F 9/105** (2013.01 - EP US); **G07F 11/163** (2020.05 - EP US); **G07F 11/32** (2013.01 - EP US);
G07F 17/0071 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0173703 A1 20011004; AT E250258 T1 20031015; AU 3950901 A 20011008; BR 0109652 A 20030422; BR PI0109652 B1 20160223;
CA 2404637 A1 20011004; CA 2404637 C 20090106; CN 1161717 C 20040811; CN 1421025 A 20030528; DE 60100805 D1 20031023;
DE 60100805 T2 20040715; DK 1269432 T3 20040126; EP 1269432 A1 20030102; EP 1269432 B1 20030917; ES 2208572 T3 20040616;
FR 2807190 A1 20011005; FR 2807190 B1 20020628; JP 2003529042 A 20030930; JP 4666870 B2 20110406; PT 1269432 E 20040227;
TR 200302191 T4 20040223; US 2003089729 A1 20030515; US 6755320 B2 20040629

DOCDB simple family (application)

IB 0100517 W 20010329; AT 01914133 T 20010329; AU 3950901 A 20010329; BR 0109652 A 20010329; CA 2404637 A 20010329;
CN 01807413 A 20010329; DE 60100805 T 20010329; DK 01914133 T 20010329; EP 01914133 A 20010329; ES 01914133 T 20010329;
FR 0003934 A 20000329; JP 2001571346 A 20010329; PT 01914133 T 20010329; TR 200302191 T 20010329; US 23993502 A 20020926