

Title (en)

Divisible plastic bottle case.

Title (de)

Teilbarer Kunststoff-Flaschenkasten.

Title (fr)

Casier à bouteilles divisible en plastique.

Publication

EP 0392273 B1 19931110 (DE)

Application

EP 90105996 A 19900329

Priority

DE 3912321 A 19890414

Abstract (en)

[origin: WO9012739A1] In a known divisible bottle crate whose parts (11, 11') are held together on the groove and spring principle (117/118), no solution has been found to the problem of the accidental separation of the parts (11, 11') put together to form the crate. The proposed divisible bottle crate has carrying handles (119) fitted on the crate parts (11, 11') which can be swivelled from the carrying position against them, one leg (1191') of which, when in the folded position away from one crate part (11, 11') engages in the recessed wall of the other crate part (11, 11') and vertically links the two parts (11, 11') of the crate. It is therefore impossible to divide the crate parts (11, 11') accidentally.

IPC 1-7

B65D 21/02; B65D 1/24; B65D 6/24

IPC 8 full level

B65D 21/024 (2006.01); **B65D 1/22** (2006.01); **B65D 1/24** (2006.01); **B65D 6/00** (2006.01); **B65D 6/04** (2006.01); **B65D 6/08** (2006.01);
B65D 6/24 (2006.01); **B65D 21/00** (2006.01); **B65D 21/02** (2006.01); **B65D 21/032** (2006.01)

CPC (source: EP KR US)

B65D 1/243 (2013.01 - US); **B65D 11/14** (2013.01 - EP US); **B65D 21/02** (2013.01 - KR); **B65D 21/0204** (2013.01 - EP US);
B65D 85/305 (2013.01 - US)

Citation (examination)

EP 0388504 A1 19900926 - GOETZ WILHELM [DE], et al

Cited by

FR3140355A1; WO2014170703A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0392273 A1 19901017; EP 0392273 B1 19931110; AT E97083 T1 19931115; AU 5279790 A 19901116; AU 639690 B2 19930805;
BR 9006716 A 19910806; CA 2029884 A1 19901015; CA 2029884 C 19950425; CN 1035248 C 19970625; CN 1046505 A 19901031;
CS 276796 B6 19920812; CS 9001849 A2 19910915; DD 300227 A5 19920527; DE 3912321 A1 19901025; DE 59003399 D1 19931216;
DK 0392273 T3 19940321; ES 2046570 T3 19940201; FI 906145 A0 19901213; FI 95680 B 19951130; FI 95680 C 19960311;
HU 205579 B 19920528; HU 902810 D0 19910528; HU T56032 A 19910729; IE 63932 B1 19950628; IE 901337 L 19901014;
IL 93995 A0 19910131; JP H03505440 A 19911128; KR 920700149 A 19920219; MX 173059 B 19940131; NO 177381 B 19950529;
NO 177381 C 19950906; NO 905370 D0 19901212; NO 905370 L 19901212; PT 93735 A 19901120; PT 93735 B 19960830;
RU 1836260 C 19930823; US 5078292 A 19920107; WO 9012739 A1 19901101; ZA 902740 B 19910130

DOCDB simple family (application)

EP 90105996 A 19900329; AT 90105996 T 19900329; AU 5279790 A 19900328; BR 9006716 A 19900328; CA 2029884 A 19900328;
CN 90102054 A 19900413; CS 184990 A 19900412; DD 33975590 A 19900412; DE 3912321 A 19890414; DE 59003399 T 19900329;
DE 9000249 W 19900328; DK 90105996 T 19900329; ES 90105996 T 19900329; FI 906145 A 19901213; HU 281090 A 19900328;
IE 133790 A 19900412; IL 9399590 A 19900403; JP 50489190 A 19900328; KR 900702609 A 19901213; MX 2023490 A 19900406;
NO 905370 A 19901212; PT 9373590 A 19900411; SU 4831993 A 19901213; US 62393990 A 19901210; ZA 902740 A 19900410