

Title (en)

A CARRIER FOR CANS, A CARDBOARD BLANK FOR A CARRIER FOR CANS AND A METHOD TO ASSEMBLE A CARDBOARD BLANK

Title (de)

TRÄGER FÜR DOSEN, KARTONZUSCHNITT FÜR EINEN TRÄGER FÜR DOSEN UND VERFAHREN ZUM ZUSAMMENFÜGEN EINES KARTONZUSCHNITTS

Title (fr)

SUPPORT POUR BOITES-BOISSON, EBAUCHE EN CARTON POUR LE SUPPORT DES BOITES-BOISSON ET PROCEDE D'ASSEMBLAGE D'UNE EBAUCHE EN CARTON

Publication

EP 1401727 A1 20040331 (EN)

Application

EP 02746266 A 20020703

Priority

- SE 0201318 W 20020703
- SE 0102379 A 20010703

Abstract (en)

[origin: WO03004377A1] The present invention relates to a carrier of cardboard, preferably corrugated cardboard, for connecting a plurality of generally cylindrical cans (4), being disposed in at least two rows and having an inclined upper part and a top closure (6) with a projecting circular rim (8). The carrier (31) is produced from a plane blank (32), having, for each can to be connected by the carrier, two mutually opposing, essentially arcuate slits (44, 45), the outer edges of which engage below the rim (8) of the cans when the carrier is assembled on the plurality of cans to connect the carrier and the cans and form a package assembly. Gripping recesses (42), adapted to be gripped by fingers to lift and handle the package assembly, are centrally disposed in the carrier blank (32) between the rows of cans (4), and a bowl-shaped indentation (66) is formed centrally in the carrier (31) between said gripping recesses (42) and the rows of cans (4). The invention also relates to a plane blank for a carrier of cardboard and a method to assemble a plane blank of cardboard.

IPC 1-7

B65D 71/42

IPC 8 full level

B65D 71/12 (2006.01); **B65D 71/42** (2006.01); **B65D 71/44** (2006.01)

CPC (source: EP US)

B65D 71/42 (2013.01 - EP US); **B65D 71/44** (2013.01 - EP US)

Cited by

US11958673B2; US11840387B2; WO2023009698A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03004377 A1 20030116; AT E330865 T1 20060715; AT E338702 T1 20060915; BR 0210807 A 20040622; BR 0210812 A 20040622; CA 2452599 A1 20030116; CA 2452601 A1 20030116; CN 100408442 C 20080806; CN 1522218 A 20040818; CN 1529672 A 20040915; CO 5540330 A2 20050729; CO 5540331 A2 20050729; CY 1105776 T1 20110202; CY 1106162 T1 20110608; DE 60212630 D1 20060803; DE 60212630 T2 20070531; DE 60214553 D1 20061019; DE 60214553 T2 20070920; DK 1401727 T3 20061016; DK 1401728 T3 20070102; EP 1401727 A1 20040331; EP 1401727 B1 20060621; EP 1401727 B8 20060726; EP 1401728 A1 20040331; EP 1401728 B1 20060906; ES 2266529 T3 20070301; ES 2272748 T3 20070501; HU P0400288 A2 20040830; HU P0400288 A3 20040928; HU P0401334 A2 20041129; HU P0401334 A3 20051228; IS 2286 B 20071015; IS 2348 B 20080415; IS 7072 A 20031211; IS 7073 A 20031211; JP 2004533377 A 20041104; JP 2004533378 A 20041104; JP 4053000 B2 20080227; JP 4077790 B2 20080423; MX PA03011711 A 20041206; MX PA03011716 A 20041206; NO 20040008 L 20040102; NO 20040009 L 20040102; NO 326357 B1 20081117; NO 326364 B1 20081117; PL 200975 B1 20090227; PL 202871 B1 20090731; PL 366632 A1 20050207; PL 366634 A1 20050207; PT 1401727 E 20061130; PT 1401728 E 20061229; RU 2004102912 A 20050210; RU 2004102913 A 20050210; RU 2007132083 A 20090310; RU 2287465 C2 20061120; RU 2365531 C2 20090827; SE 0102379 D0 20010703; SE 0102379 L 20030104; SE 522020 C2 20040107; US 2004206639 A1 20041021; US 2004211695 A1 20041028; WO 03004376 A1 20030116

DOCDB simple family (application)

SE 0201318 W 20020703; AT 02746266 T 20020703; AT 02751928 T 20020703; BR 0210807 A 20020703; BR 0210812 A 20020703; CA 2452599 A 20020703; CA 2452601 A 20020703; CN 02813280 A 20020703; CN 02813283 A 20020703; CO 03113216 A 20031230; CO 03113218 A 20031230; CY 061101335 T 20060920; CY 061101639 T 20061113; DE 60212630 T 20020703; DE 60214553 T 20020703; DK 02746266 T 20020703; DK 02751928 T 20020703; EP 02746266 A 20020703; EP 02751928 A 20020703; ES 02746266 T 20020703; ES 02751928 T 20020703; HU P0400288 A 20020703; HU P0401334 A 20020703; IS 7072 A 20031211; IS 7073 A 20031211; JP 2003510358 A 20020703; JP 2003510359 A 20020703; MX PA03011711 A 20020703; MX PA03011716 A 20020703; NO 20040008 A 20040102; NO 20040009 A 20040102; PL 36663202 A 20020703; PL 36663402 A 20020703; PT 02746266 T 20020703; PT 02751928 T 20020703; RU 2004102912 A 20020703; RU 2004102913 A 20020703; RU 2007132083 A 20070823; SE 0102379 A 20010703; SE 0201317 W 20020703; US 48239004 A 20040607; US 48239104 A 20040602