

Title (en)
A protective carrier and handle for cans

Title (de)
Ein Schutzträger und Handgriff für Dosen

Title (fr)
Un porteur protecteur et poignée pour boîtes

Publication
EP 1669304 A1 20060614 (EN)

Application
EP 04106527 A 20041213

Priority
EP 04106527 A 20041213

Abstract (en)
Polymer-based circular carrier means (11) mounted on can bodies in the manner to cover their entire top surfaces. The circular carrier means (11) are generally planar, sheet-like structures having integral protruding members and recesses creating a corresponding surface for receiving opposite can surface. Each carrier means (11) is additionally provided with a handle means (12), normally encircling part of the periphery of said carrier means (11) and separated therefrom by perforations (14). Each element of a six-element can pack, provided in the form of two arrays of three cans in a typical manner, comprises a carrier means (11) provided with a handle means (12) for individual carriage as well as for carriage of the full can assembly by use of any of said handles (12). Said carrier means (11) are connected to neighboring carriers by perforations along peripheral portions in the parts out of said handle perforations (14).

IPC 8 full level
B65D 71/50 (2006.01)

CPC (source: EP US)
B65D 51/20 (2013.01 - EP US); **B65D 71/50** (2013.01 - EP US)

Citation (search report)

- [A] EP 0842864 A1 19980520 - ILLINOIS TOOL WORKS [US]
- [AD] US 5562205 A 19961008 - DIAZ EUSEBIO M [US]
- [AD] US 2004112767 A1 20040617 - OZCAN BAKI ERCAN [TR]
- [AD] US 3346106 A 19671010 - GOODING ELWYN R

Cited by
EP1970323A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1669304 A1 20060614; EP 1669304 B1 20071212; AT E380763 T1 20071215; AU 2005315667 A1 20060622;
AU 2005315667 B2 20090326; BR PI0519025 A2 20081223; CA 2590787 A1 20060622; CA 2590787 C 20110222; CN 101146722 A 20080319;
DE 602004010690 D1 20080124; DE 602004010690 T2 20080430; ES 2295775 T3 20080416; JP 2008522908 A 20080703;
MX 2007007019 A 20070914; PL 1669304 T3 20080530; RU 73856 U1 20080610; SI 1669304 T1 20080430; US 2009008272 A1 20090108;
WO 2006063983 A1 20060622; ZA 200705074 B 20080925

DOCDB simple family (application)
EP 04106527 A 20041213; AT 04106527 T 20041213; AU 2005315667 A 20051212; BR PI0519025 A 20051212; CA 2590787 A 20051212;
CN 200580042786 A 20051212; DE 602004010690 T 20041213; EP 2005056708 W 20051212; ES 04106527 T 20041213;
JP 2007544932 A 20051212; MX 2007007019 A 20051212; PL 04106527 T 20041213; RU 2007106423 U 20051212; SI 200430591 T 20041213;
US 79284605 A 20051212; ZA 200705074 A 20070612