

Title (en)

METHOD FOR STORING, TRANSPORTING AND DISPENSING CARTONS

Title (de)

VERFAHREN ZUM LAGERN, TRANSPORTIEREN UND ABGEBEN VON KARTONS

Title (fr)

PROCEDE DE STOCKAGE, DE TRANSPORT ET DE DISTRIBUTION DE CAISSES EN CARTON

Publication

EP 1463676 A2 20041006 (EN)

Application

EP 03707325 A 20030108

Priority

- US 0300519 W 20030108
- US 34705702 P 20020109

Abstract (en)

[origin: WO03059783A2] Cartons (10) are stored in imbricated fashion on a coil, or spiral roll (20). An imbricated roll or coil of cartons is wound around a disk utilizing a length of a tape, band or belt (24). A de-curler mechanism removes a curl that is imparted to cartons stored on a roll so as to restore the cartons to a substantially flat condition.

IPC 1-7

B65D 85/67

IPC 8 full level

B31B 50/96 (2017.01); **B65B 43/12** (2006.01); **B65B 43/28** (2006.01); **B65B 43/32** (2006.01); **B65H 5/28** (2006.01); **B65H 29/00** (2006.01);
B65H 29/66 (2006.01)

CPC (source: EP US)

B65B 43/126 (2013.01 - EP US); **B65B 43/285** (2013.01 - EP US); **B65B 43/325** (2013.01 - EP US); **B65H 5/24** (2013.01 - EP US);
B65H 5/28 (2013.01 - EP US); **B65H 29/006** (2013.01 - EP US); **B65H 29/66** (2013.01 - EP US); **B31B 50/96** (2017.07 - EP US);
B65H 2301/41922 (2013.01 - EP US); **B65H 2701/1764** (2013.01 - EP US)

Citation (search report)

See references of WO 03059783A2

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 SI SK TR

DOCDB simple family (publication)

WO 03059783 A2 20030724; WO 03059783 A3 20040401; AU 2003209181 A1 20030730; AU 2003209181 A8 20030730;
CA 2473127 A1 20030724; CA 2473127 C 20080325; EP 1463676 A2 20041006; US 2005161876 A1 20050728

DOCDB simple family (application)

US 0300519 W 20030108; AU 2003209181 A 20030108; CA 2473127 A 20030108; EP 03707325 A 20030108; US 50105805 A 20050331