

Title (en)

CLOSURE APPARATUS FOR CLOSED CONTAINERS COMPOSED OF A PLASTIC FILM

Title (de)

VERSCHLUSSVORRICHTUNG FÜR GESCHLOSSENE BEHÄLTNISSE AUS KUNSTSTOFFFOLIE

Title (fr)

DISPOSITIF DE FERMETURE DESTINE A DES CONTENANTS FERMES REALISES EN FILM PLASTIQUE

Publication

EP 1924506 A1 20080528 (DE)

Application

EP 06775184 A 20060913

Priority

- CH 2006000491 W 20060913
- CH 15142005 A 20050916

Abstract (en)

[origin: US7757892B2] A closure device attachable above a location of a closed receptacle, comprising a stopper portion with a cylindrical pour-out spout connected or connectable to the receptacle, and a screw cap screwed onto the lower part, and a cylindrical piercing element that in the axial direction is open at both sides and is displaceably mounted in the lower part, wherein catch portions move the piercing element helically downwards when screwing off the cap for the first time, wherein the piercing element is equipped with at least one cutting element.

IPC 8 full level

B65D 5/74 (2006.01)

CPC (source: EP KR US)

B65D 5/74 (2013.01 - KR); **B65D 5/748** (2013.01 - EP US)

Cited by

US10676261B2; US11718457B2

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DOCDB simple family (publication)

WO 2007030965 A1 20070322; AT E420031 T1 20090115; AU 2006291948 A1 20070322; AU 2006291948 B2 20120614; CA 2622360 A1 20070322; CN 101267990 A 20080917; CN 101267990 B 20101208; DE 502006002613 D1 20090226; EP 1924506 A1 20080528; EP 1924506 B1 20090107; IL 190023 A0 20080807; IL 190023 A 20111031; JP 2009507729 A 20090226; JP 5079699 B2 20121121; KR 20080055868 A 20080619; RU 2008114818 A 20091027; RU 2418726 C2 20110520; US 2007062709 A1 20070322; US 7757892 B2 20100720; ZA 200802406 B 20090527

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